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INDEX-CATALOGUE OF MEDICAL AND VETERINARY ZOOLOGY

SUPPLEMENT 22, PART 6, SECTION **B**. SUBJECT HEADINGS: **J — Z**

PARASITE-SUBJECT CATALOGUE
SUBJECT HEADINGS AND TREATMENT

UNITED STATES
DEPARTMENT OF
AGRICULTURE

PREPARED BY
SCIENCE AND
EDUCATION
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PARASITE-SUBJECT CATALOGUE
SUBJECT HEADINGS AND TREATMENT

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PREFACE

The Index-Catalogue of Medical and Veterinary Zoology is an index to the world's literature on animal parasites of animals, including man. The Catalogue is distributed to qualified individuals and libraries throughout the world without charge. It has been maintained in cumulative files since 1892. Only the Author Catalogue has been published in its entirety. A revision of the Author Catalogue of the Index-Catalogue of Medical and Veterinary Zoology, consisting of Parts 1 to 18, was published during the period 1932-52. Beginning in 1953, a series of supplements designed to publish the backlog was initiated. This was completed with Supplement 6, published in 1956. From 1956 to 1964, supplements covering authors A to Z were issued on an annual basis.

Beginning with Supplement 15, the Parasite-Subject Catalogues, containing indices to the author references, have been issued. The Author Catalogues of Supplements 15-21 continued the format of previous supplements. Users should note that for each reference in the Author Catalogues of these supplements the author(s) plus the date and letter (e.g., Smith, J.; and Doe, L., 1978 b) are the key to all items in the Parasite-Subject Catalogues derived from that reference. In other words, when using the Parasite-Subject Catalogues of Supplements 15-21, it is necessary to consult the Author Catalogue of the corresponding supplement for complete bibliographic information.

Commencing with Supplement 22, basic bibliographic information is included with each entry in Parts 2-7. It should be emphasized, however, that it will still be useful to consult the Author Catalogue for a variety of other information that may be found there: Title of the reference, translated title, language of text and summaries, issue date, library from which the original may be obtained, published corrections, related references by the same author, and other miscellaneous information.

Each supplement consists of the following parts:

Part 1, Authors: A-Z
Part 2, Parasite-Subject Catalogue: Parasites: Protozoa
Part 3, Parasite-Subject Catalogue: Parasites: Trematoda and Cestoda
Part 4, Parasite-Subject Catalogue: Parasites: Nematoda and Acanthocephala
Part 5, Parasite-Subject Catalogue: Parasites: Arthropoda and Miscellaneous Phyla
Part 6, Parasite-Subject Catalogue: Subject Headings and Treatment
Part 7, Parasite-Subject Catalogue: Hosts

Users should bear in mind that this is an Index-Catalogue, not a treatise, and should not expect to find reasons for any given entry. Nor does citing of synonymy mean that it is necessarily correct. The same statement holds for hosts, locations, localities, authorship of taxa, designation of new taxa, etc. These items are cited as given by the author(s) of the publication being indexed.

The information included in any given supplement represents only the publications that have been indexed in that supplement; and therefore, exclusion of, or limited entries for, any given author or parasite has no significance. No pretension is made for completeness, and assistance in correcting errors or obtaining additional information is appreciated. Reprints of papers on parasitology are requested.

EXPLANATORY NOTE

Author Catalogue

The Author Catalogue (Part 1 of each supplement) contains full bibliographic information for each publication indexed during the compilation of that supplement. A symbol for the library from which the original publication may be obtained is given at the end of each entry, e.g., Wa, Wm, Wc, etc. A key to these library symbols may be found in Supplements 10 and 20. A list of serial abbreviations new to our files is published at the beginning of each Author Catalogue.

Parasite Catalogues

The Parasite Catalogues (Parts 2-5 of each supplement) are divided by parasite phyla (Protozoa, Trematoda, etc.). They are arranged alphabetically by genera, parasitic diseases, and higher taxa and then alphabetically by species within genera. Entries under each heading are in turn arranged alphabetically by authors and then chronologically for each author. Each entry consists of the name of the parasite or parasitic disease, the author(s) of the publication, date, abbreviated title of the publication, volume, number, inclusive pages, and a subheading. Illustrations of parasites are indicated by the word illus. following the name of the parasite.

►Fasciola hepatica, illus.
  ►Smith, J.; and Doe, L., 1978, J. Parasitol., v. 64 (1), 30-38
    ►Fasciola hepatica, white mice, successful vaccination with culture incubate antigens and antigens from sonic disruption of immature worms
  Subheading
 Bibliographic information (author line(s))
Entry term

A variety of information is found indented beneath the author line(s) of each entry: Classification, hosts, synonymy, keys, treatment, etc. Subheadings are guides to the subject matter of the publication.

(1) **Classification:** In entries based on systematic articles, the subheading may give the higher taxa in which the taxon has been placed or it may list the lower taxa included in a higher taxon.

(2) **Hosts:** The only hosts recorded are those that pertain directly to the author's own work. Scientific host names are used unless the author gives only common names, in which case the host names are given exactly as in the original publication.

However, when host common names are in Cyrillic alphabet languages, host Latin names are assigned and listed instead of the common name; these are in square brackets [ ].

Locations of parasites in or on hosts are given in parentheses ( ). Where a host-parasite relationship is well known, a host may be given under a parasite name and not in the Host Catalogue; this applies particularly to parasites of medical and veterinary importance and of worldwide distribution. A + before the host name on the parasite entry means that no host entry was made for this particular reference.

(3) **Synonymy:** Usually only those synonyms which the author indicates as new, or which are new to the files of the Index-Catalogue of Medical and Veterinary Zoology, are given.

(4) **Keys:** The subheading "key" indicates that the name is included in a taxonomic key.

(5) **Treatment:** When there are several antiparasitic agents mentioned in a publication, a general term is used in the subheading, e.g., anthelmintics, insecticides, protozoacides. However, in the Treatment Catalogue, all agents tested by the investigator(s) are listed.

(6) **Geographic Distribution:** When there are multiple hosts and geographic localities, the appropriate locality is

recorded after each host name; when the hosts of a parasite are all from one locality, they are recorded as "all from" this locality.

(7) **Other Subject Matter:** Phrases indicate other subject matter discussed (e.g., immunity, metabolism, morphology, etc.).

Subject Headings Catalogue

The Subject Headings Catalogue (the first section of Part 6 of each supplement) is an alphabetic arrangement of entry terms from a controlled list of subject headings. Each entry consists of the subject heading, bibliographic information, and a subheading reflecting the information contained in the paper. Subject headings with numerous entries are separated into alphabetized subdivisions, e.g.,

Immunity
Immunity, Agglutination
Immunity, Allergy

Treatment Catalogue

In the Treatment Catalogue (a section of Part 6 of each supplement), all entries referring to one antiparasitic agent are grouped under one heading (regardless of the name used by the investigator) and are then listed alphabetically by author. Other names for the same agent are cross-referenced to the name used for filing. When generic and chemical names are available, preference is given to those names as headings rather than to trade names or code numbers and letters. Code number designations for compounds are entered in the Number Index in numerical order and cross-referenced to the name under which they are listed in the alphabetical section. Salts of a compound are usually grouped together, e.g., piperazine adiphate, piperazine citrate, etc., are all listed under Piperazine. Sometimes verifying synonymy of drug names is impossible; consequently, groupings and cross-references are not always authenticated although as many as possible have been checked with reliable sources. In some instances, the cross-references are based entirely on information in papers indexed and verification was not possible. Foreign language terminology has been anglicized where feasible. Chemosterilants, Molluscicides, and Repellents are entered under these three collective headings and not under the individual chemical. The format is the same as the parasite entries: Entry term (in this case, drug name), bibliographic information, and subheading.

Host Catalogue

The Host Catalogue (Part 7 of each supplement) is arranged alphabetically by genera, common names, and higher taxa and then alphabetically by species within genera. Nominate subspecies are interfiled with the species. Entries under each heading are in turn arranged alphabetically by author(s) and then chronologically for each author. The format is the same as in the other Catalogues, i.e., entry term (in this case, host name), bibliographic information, and subheading. Indented beneath the author line(s) of each host entry are all the parasites of a particular phylum that were reported from this host in the paper in question. Body locations of these parasites will be found in parentheses ( ) either in the subheading or with the host name. Experimental infection is reported as such. When there are multiple parasites and geographic localities, the appropriate locality is recorded after each parasite name; when the parasites from this host are all from one locality, they are recorded as "all from" this locality. When authors use only common names of hosts, scientific names are cautiously supplied from authoritative sources after careful consideration. Cross-references from the common name used by the author to the scientific name supplied by the Index-Catalogue are filed among the host entries. Such supplied names are given in square brackets [ ]. If a scientific name cannot be supplied, English common names are used. Scientific names or English common names are always supplied for common names in Cyrillic alphabet languages, and no cross-references are made. Surveys of parasites of humans and domestic animals are often indexed under geographic headings and entered in Part 6, Subject Headings, in addition to appearing in the Host Catalogue. In this case, all parasite phyla are grouped under the same host entry, and individual parasite entries are not included in the Parasite Catalogue.

Visitors are welcome to come to the Animal Parasitology Institute to use the cumulative files. Arrangements should be made in advance for lengthy visits.

All correspondence should be addressed to:

Index-Catalogue of Medical and Veterinary Zoology
Animal Parasitology Institute
USDA, SEA-AR, BARC-East, Building 1180
Beltsville, Maryland 20705 U.S.A.

It is hoped that these Catalogues will serve as a useful tool to workers in the field of parasitology. Users are requested to preserve the Catalogues, since they are not designed for general distribution and the edition is limited.

The compilers thank the staffs of the Technical Information Systems of the Science and Education Administration, the National Library of Medicine, and all other libraries who have aided us invaluably by making publications available to us.

Trade names are used in this publication solely for the purpose of providing specific information. Mention of a trade name does not constitute a guarantee or warranty of the product by the U.S. Department of Agriculture or an endorsement by the Department over other products not mentioned.

Jamaica
Snow, J. W.; Hofmann, H. C.; and Baumhover, A. H., 1977, Southwest. Entom., v. 2 (4), 202-206
Cochliomyia hominivorax, serious pest of livestock, feasibility of eradication by sterile insect method: Jamaica

Japan
Kagei, N.; Kihata, M.; and Hirayama, T., 1975, Bull. Inst. Pub. Health, Tokyo, v. 24 (1), 7-17
incidence of helminthic infection in schoolchildren, fecal survey
(roundworm ova, hookworm ova, whipworm ova, Trichostrongylus orientalis, Metagonimus yokogawai, Clonorchis sinensis): all from Japan

Japan
Nakabayashi, T.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (11), 247-251
human malaria, statistical survey of cases imported into Japan from 1972-1974

Japan
Oikawa, H.; et al., 1975, Japan. J. Vet. Sc., Tokyo, v. 37 (3), 271-279
Eimeria spp., chickens, survey during 1973, neither seasonal nor regional distribution differences were observed; oocyst detection rate significantly low in chicks up to 30 days old: Japan

Japan
Otsuru, M., 1974, Internat. Med. Found. Japan. Reporting series (4), 49-64
human nematode infections, extensive review on epidemiology, treatment and control measures: Japan

Japan
Uchida, A., 1975, Bull. Azabu Vet. Coll. (30), 63-81
checklist of helminth parasites of amphibians in Japan

Japan
Yokogawa, M., 1974, Internat. Med. Found. Japan. Reporting series (4), 83-99
Schistosoma japonicum in humans and domestic animals, epidemiology, control measures, geographic distribution in Japan and Far East

Japan
Yokogawa, M., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 137-143
Schistosoma japonicum, statistical review of prevalence and distribution of human and animal schistosomiasis in Japan

Jaundice
Averbach, S.; Yanovsky, J.; and Averbach, B., 1972, Medicina, Buenos Aires, v. 32 (1), 15-22
icteric hepatitis in 4 siblings probably of Toxoplasma gondii origin, case reports, clinical management: Argentina

Jaundice
Biernat, S.; Myczkowski, J.; and Majewski, Z., 1975, Polski Tygod. Lekar., v. 30 (44), 1839-1840
human echinococcosis, massive hepatic cyst with resulting jaundice from perforation into biliary tract, surgical treatment, case report: Poland

Jaundice
Brown, C., 1974, Brit. J. Clin. Pract., v. 28 (12), 418-419
human echinococcal cyst of pancreas presenting as obstructive jaundice, diagnosis, case report: London (native of Libya)

Jaundice
Goodman, M. A.; Henderson, J. I.; and Cullity, G. J., 1973, Med. J. Australia, v. 2 (11), 547-550
Fasciola hepatica infestation of liver and biliary tract in young girl causing jaundice and severe intestinal hemorrhage, case report, surgical management with follow-up dehydroemetine therapy: Australia

Jaundice
Man, B.; Kraus, L.; and Motovic, A., 1977, Trop. and Geogr. Med., v. 29 (1), 95-98
Echinococcus granulosus in humans, case reports of perforation of hydatid cyst into common bile duct with jaundice as presenting symptom, surgical management: Israel (immigrants from endemic areas)

Jaundice
Mangos, P.; and Menzies, S., 1973, Med. J. Australia, v. 1 (6), 295-296
Fasciola hepatica diagnosed by cholangiography, woman with symptoms of obstructive jaundice, surgical excision, case report: Australia

Jaundice
Quercio, M.; et al., 1973, Pathologica (945-946), v. 65, 297-299
human echinococcosis of left hepatic lobe with fistulization into hepatic duct, presenting symptoms of jaundice and abdominal colic, clinical case report, diagnosis only after surgical intervention: Italy

Jaundice
Tolentino, P., 1972, Pathologica (931-932), v. 64, 195-198
congenital toxoplasmosis as rare cause of jaundice in the newborn infant

Jaundice
Zielinski, V. E.; and Elmslie, R. G., 1969, Med. J. Australia, v. 1 (17), 839-842
human echinococcosis of liver with rupture into biliary tree and accompanying jaundice, clinical aspects, case reports: Australia

Java. See Indonesia, Java.

Karelia. See Russia, Karelian ASSR.

Karelo-Finnish SSR. See Russia, Karelo-Finnish SSR.

Karyotype. See Chromosomes.

Kidney. [See also Urine and urinary tract]

Kidney
Annable, C. R.; and Ward, P. A., 1974, J. Immunol., v. 112 (1), 1-8
Babesia rodhaini, rats, presence of proliferative glomerulitis, this renal complication is associated with glomerular deposits of IgG and third component of complement in pattern diagnostic for soluble immune complex-induced nephritis

Kidney
Bassily, S.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (11), 256-258
Schistosoma mansoni in humans, Salmonella and schistosomal associated nephrotic syndrome, pathologic changes, immunoglobulin levels and serum complement pre- and post-treatment with niridazole and ampicillin

Kidney
Boonpucknavig, S.; et al., 1976, J. Nat. Research Council Thailand, v. 8 (1), 51-66
Plasmodium berghei, mice, immune complex nephritis, clinical, histopathological and immunofluorescent studies

Kidney
Boonpucknavig, S.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (6), 116-119
serum soluble malaria antigen probably responsible for soluble immune complex causing glomerulonephritis in Plasmodium berghei berghei-infected mice

Kidney
de Brito, T.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 9-18
light, immunofluorescent and electron microscopic study of pathogenetic mechanism of glomerular lesions found in human leishmaniasis, immune complexes trapped within glomerular capillaries

Kidney
Bueno, L.; Riobo, P.; and Rosado, F., 1972, Medicina, Madrid, v. 40 (5), 557-562
clinical review, medical management and diagnosis of human echinococcosis of the kidney: Madrid

Kidney
Bustamante-Sarabia, J.; Martuscelli-Q., A.; and Tay, J., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 568-569
Ascaris lumbricoides in young woman, massive intestinal infection with migration of parasites from colon through fistula to kidney and through subcutaneous abscess to exterior skin surfaces, clinical case report of fatal illness: State of Guerrero, Mexico

Kidney
Chapman, W. E.; and Ward, P. A., 1976, J. Immunol., v. 116 (5), 1284-1288
Babesia rodhaini-infected rats, metabolism of third component of complement and IgG, development of hypocomplementemia and immune complex nephritis

Kidney
Desowitz, R. S.; Barnwell, J. W., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 475-476
Plasmodium berghei very young forms, deep vascular sequestration in heart and kidney of white rat equal to or greater than that in bone marrow, lung, liver, and spleen; hitherto unrecorded site of schizont concentration in lung

Kidney
Disy, P., 1975, Medecine Trop., v. 35 (1), 67-69
renal echinococcal cyst in Greek woman residing in French Somaliland, clinical aspects, case report: Djibouti

Kidney
El-Zayadi, A. M.; et al., 1974, Tropenmed. u. Parasitol., v. 25 (2), 147-152
Schistosoma haematobium, human, renal function tests before and after antibilharzial treatment: Egypt

Kidney
Ferguson, H. W.; and Adair, B. M., 1977, Vet. Rec., v. 100 (8), 158-159
Protozoa in Salmo gairdneri, possible agent of proliferative kidney disease: northern Irish farm

Kidney
Fine, J., 1975, Med. J. Zambia, v. 9 (4), 98-101
survey of post-mortem reports for possible relationships between human schistosomiasis and hydronephrosis: Zambia

Kidney
Fritel, D.; Bariety, J.; and Gentilini, M., 1970, Medecine Afrique Noire, v. 17 (1), 13-15
kidney pathology in association with Loa loa, possible relationships, case reports

Kidney
Fryszman, J.; and Cybulski, B., 1975, Polski Przegl. Chir., v. 47 (2A), 313-316
Schistosoma haematobium, man, concurrent schistosomal renal infection and renal calculus, clinical case report, surgical removal of both: Egyptian native living in Poland

Kidney
George, C. R. P.; Parbtani, A.; and Cameron, J. S., 1976, J. Path., v. 120 (4), 235-249
Plasmodium berghei yoelii in mouse model, nephropathy and immunologic responses before and after antimalarial, immunosuppressive and anticoagulant therapy

Kidney
Gilles, H. M., 1975, Medecine et Malad. Infect., v. 5 (12), special no., 602-608
relationship between Plasmodium malariae and nephrotic syndrome in children, epidemiology, clinical aspects

Kidney
van Gooswilligen, J. C.; and Janknegt, R. A., 1975, Nederl. Tijdschr. Geneesk., v. 119 (25), 988-991
Echinococcus granulosus in man affecting liver, kidney and spleen, case report: Moroccan immigrant to Netherlands

Kidney
Hendrickse, R. G., 1975, Paediat. Indonesiana, v. 15 (3-4), 83-92
Plasmodium malariae in children as cause of immune complex nephritis probably involving an auto-immune process, treatment efforts still unsatisfactory

Kidney
Hillyer, G. V., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 432-436
Schistosoma japonicum, chimpanzees, presence of circulating antigens in serum between 6 and 9 weeks post-exposure with later clearance, these antigens cross-react with antiserum against S. mansoni, persistence of these antigens could result in observed renal damage

Kidney
Hoshino-Shimizu, S.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 492-496
Schistosoma mansoni, human, demonstration of schistosomal antigens in kidney infections, characterization of specific antigens and antibodies localized in kidney, evidence that renal injury is mediated through immune complex disease

Kidney
Houba, V., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 233-239
immunopathology mechanisms in protozoal infections, workshop report: malaria (nephropathies, splenomegaly); African trypanosomiasis

Kidney
Houba, V.; et al., 1976, Clin. Immunol. and Immunopathol., v. 6 (1), 1-12
Plasmodium brasilianum, P. malariae, P. falciparum, humans, Aotus monkeys, increased binding of malarial antibodies with sera, faster disappearance of this antibody from circulation, and its increased deposition in renal glomeruli, serum complement levels during progress of infection, important role of P. malariae in pathogenesis of chronic progressive nephropathies occurring in malarial areas

Kidney
Houba, V.; Sturrock, R. F.; and Butterworth, A. E., 1977, Clin. and Exper. Immunol., v. 30 (3), 439-449
Schistosoma mansoni, kidney lesions at different stages of disease in Papio anubis infected with different doses of cercariae with special emphasis on identification of antigens involved

Kidney
Huizinga, H. W.; Cosgrove, G. E.; and Sturrock, R. F., 1976, J. Wildlife Dis., v. 12 (1), 93-96
Capillaria sp. in Herpestes auropunctatus, kidney pathology: St. Lucia, West Indies

Kidney
Hussein, H. S., 1977, J. Comp. Path., v. 87 (2), 169-175
Babesia hylomysci, mice (exper.), histopathological changes in kidney

Kidney
Jones, C. E.; et al., 1977, Exper. Parasitol., v. 42 (1), 221-234
Schistosoma japonicum, rabbits, circulating immune complexes, serum C1q and C3, semiquantitative assessment, relationship to renal pathology and hepatic fibrosis

Kidney
Jones, C.E., 1977, Exper. Parasitol., v.42 (2), 261-273
Schistosoma japonicum, rabbits, investigation of possible role of immune complexes in renal pathology and hepatic fibrosis: serum cryogelatification and cryoprecipitation phenomena; temporal aspects of anti-DNA response

Kidney
Kibukamusoke, J. W., 1970, Mater. Med. Pol. (4), v. 2 (3-4), 44-48
Plasmodium malariae, P. falciparum, causal relationship between human malaria and nephrotic syndrome in tropical areas, pathology, therapy

Kidney
Le Bras, M.; et al., 1974, Medecine Afrique Noire, v. 21 (7), 491-498
acute renal insufficiency as complication of Plasmodium falciparum malaria, clinical management, diagnosis, case reports, pathologic findings, therapy

Kidney
Lichtenberg, R., 1975, Med. Welt., v. 26 (5), 183-185
Taenia echinococcus, renal cyst in man, clinical aspects, case report: Germany

Kidney
Lindsley, H. B.; Kysela, S.; and Steinberg, A. D., 1974, J. Immunol., v. 113 (6), 1921-1927
Trypanosoma rhodesiense, T. gambiense, humans, development of antibodies to nucleic acids, possible pathophysiological relationship to renal disease remains to be determined

Kidney
Mace, T. F., 1976, J. Wildlife Dis., v. 12 (1), 88-92
Dioctophyma renale in Mustela vison, kidney lesions: Washago region, Ontario, Canada

Kidney
Mahmoud, A. A. F.; and Woodruff, A. W., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 187-188
Schistosoma mansoni in mice (exper.), glomerular nephritis caused by immune complex deposits which contained complement

Kidney
Moffatt, R. E.; and Schiefer, B., 1973, Lab. Animal Sc., v. 23 (2), 282-284
Encephalitozoon cuniculi (Nosema cuniculi) causing typical encephalitic and nephritic lesions in apparently healthy guinea pigs in a closed laboratory colony, implications for experimental use of these animals

Kidney
Morel-Maroger, L.; et al., 1975, Medecine et Malad. Infect., v. 5 (12), special no., 609-616
presence or absence of anti-Plasmodium falciparum and/or anti-P. malariae antibodies in patients with different types of glomerulo-nephritis: Senegal; Cameroun

Kidney
Moulton, J. E.; Coleman, J. L.; and Gee, M. K., 1975, Am. J. Vet. Research, v. 36 (4), 357-366
Trypanosoma equiperdum, pathogenesis in rabbits, lesions in skin, spleen, lymph nodes, and kidney, amyloid deposition, serum and tissue IgM and IgG, fluorescent antibody studies, agglutination test, depressed antibody response to ovine erythrocytes

Kidney
Murray, M.; Lambert, P. H.; and Morrison, W. I., 1975, Medecine et Malad. Infect., v. 5 (12), special no., 638-641
Trypanosoma brucei-infected mice develop proliferative immune complex glomerulonephritis

Kidney
Musoke, A. J.; Cox, H. W.; and Williams, J. F., 1977, J. Parasitol., v. 63 (6), 1081-1088
Plasmodium chabaudi, rats, antigens and antibodies found associated with anemia, splenomegaly, and glomerulonephritis, suggested that soluble complexes of parasite antigen and antibody may have been causal in this syndrome

Kidney
Natali, P. G.; and Cioli, D., 1976, European J. Immunol., v. 6 (5), 359-364
Schistosoma mansoni-infected mice, immune complex nephritis, incidence of renal involvement correlated with duration and intensity of infection and appeared to be decreased in unisexual infections

Kidney
Oyediran, A.B.O.O.; et al., 1974, Egypt. J. Bilharz., v. 1 (2), 215-225
S[chistosoma] haematobium, children, renal function studies in infected children before and after therapy with niridazole, comparison with normal controls, usefulness for clinical follow-up and treatment assessment: Nigeria

Kidney
Poels, L. G.; et al., 1977, Exper. Parasitol., v. 43 (1), 255-267
Plasmodium berghei, formation of immune complexes and their role in nephropathies in infected mice in comparison with chloroquine-cured and hyperimmune mice, comparative study on nude mouse model, immune complexes deposited in renal glomeruli of acutely infected and hyperimmune mice but not in glomeruli of infected nude mice, pathological ultrastructural alterations found in glomeruli of first two groups

Kidney
Queiroz, F. P.; Brito, E.; and Martinelli, R., 1975, Nephron, v. 14 (6), 466-470
Schistosoma mansoni as cause of human glomerulopathy, histologic patterns in nephrotic syndrome as influenced by regional factors such as high endemic schistosomal area

Kidney
Rocha, H.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 108-115
hepatosplenic Schistosoma mansoni, humans, renal involvement, clinical features, histopathology

Kidney
Sadigursky, M.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 322-323
Schistosoma haematobium, S. mansoni, autopsy study of kidneys, glomerulonephritis, mesangial thickening and proliferation, and acute and chronic pyelonephritis were all unrelated to presence of schistosome infection

Kidney
Sadigursky, M.; and Andrade, Z. A., 1976, Brit. Med. J. (6043), v. 2, 1073
controlled studies needed to clarify the relationship between schistosomiasis and renal amyloidosis

Kidney
Sadun, E. H.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 619-631
Schistosoma japonicum, chimpanzees (exper.), portacaval shunt to dissociate pipe-stem fibrosis and glomerulopathy, results suggest nephropathy more closely related to infection intensity than degree of liver damage; comparisons with untreated controls and SQ 18,506-treated animal

Kidney
Sakurai, N.; Ihara, Y.; and Ogawa, I., 1974, Nishi Nippon Hinyokika (Nishinihon J. Urol.), v. 36 (4), 449-455
kidney cysts in man containing Paragonimus sp. ova, Metagonimus yokogawai ova in feces, clinical case report: Japan

Kidney
Sanabria, A.; and Aristimuno, J., 1975, Acta Cien. Venezolana, v. 26 (4), 128-133
Trypanosoma cruzi, mouse kidney, ultrastructure, pathology

Kidney
Soni, J. L.; and Cox, H. W., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 431-438
Plasmodium gallinaceum, chickens, complexes of serum antigen and its antibody may cause glomerulonephritis associated with acute avian malaria

Kidney
Soni, J. L.; and Cox, H. W., 1976, Indian J. Med. Research, v. 64 (8), 1177-1184
immune complex associated with malarious nephritis of Plasmodium gallinaceum-infected chicken, isolation and description of antigen component of complex

Kidney
Soothill, J. F.; Smith, M. D.; and Morgan, A. G., 1975, Symposia Brit. Soc. Parasitol., v. 13, 59-68
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Leishmania tarentolae, kinetoplast-mitochondrial complexes, isolation technique, partial characterization

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Herpetomonas megaseliae, cultures grown with hydroxyurea (inhibitor of DNA synthesis), differences in population number, kinetoplast number and position, and pellicular morphology, net effects of hydroxyurea are enhanced differentiation and abortive cytokinesis

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Leishmania tarentolae, technique for isolation of kinetoplast DNA networks, preliminary physical characterization

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Cryptobia vaginalis, light and electron microscopic morphology, kinetoplast DNA dispersed throughout single mitochondrion, feeding by pinocytosis through cytopharynx, bacterial symbiotes

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Crithidia, kinetoplast DNA, structure, replication, informational capacity, physicochemical and electron microscope studies, review with some unpublished results

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Echinococcus granulosus, cattle, sheep, goats, incidence of fertile and non-fertile cysts, home-slaughtered sheep seem to play important role in parasite dissemination with sheep-dog-sheep cycle: Kuwait

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geomedical report on Kuwait, its inhabitants and its diseases

Kuwait
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Echinococcus granulosus, first report from dogs in Kuwait, infection rate in dogs and in domestic animals at slaughterhouse (many of which were imported): Kuwait

Labelling. *See* Radioisotopes; Tagging.

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Lactation. [*See also* Disease transmission, Lactation]

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gastrointestinal nematodes, suppressed immune response of host during lactation primarily of endocrinal origin, review

Lactation
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Nematospiroides dubius, course of primary and challenge infections in male and female Meriones unguiculatus, rate of establishment, morphology, sex ratio and distribution within host intestine, expulsion in primary infections, resistance to challenge infections, lactating jirds with depressed immunocompetence were significantly more susceptible to reinfection than nulliparous jirds of same age

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Trichinella spiralis, suppression of rejection in mice treated with ovine prolactin

Lactation
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Trichinella spiralis, effect of lactation on cell-mediated immunity, cell transfer studies with lactating and non-lactating mice, lactogenic hormones apparently suppressed expression of adoptive immunity

Lactation
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Trichinella spiralis, effect of lactation on worm expulsion in (1) lactating, (2) induced agalactic post-parturient, (3) previously sensitized, and (4) mice sensitized during lactation, results indicate lactation suppressed either expression or induction of immunity

Lactation
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Trichinella spiralis, rats, IgE antibodies not transferred from mother to young during lactation nor during pregnancy although they are sometimes secreted in the milk

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Schistosoma mansoni-infected lactating mothers, identification of immunoglobulins, anti-S. mansoni antibodies, complement and schistosome antigens in milk confirms the possibility of transfer of immunologically active substances from mother to child during lactation

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Lactation
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Strongyloides ratti, rats (exper.), maternal worm burden when weaning is varied in relation to injection, effect of short-term stimulus (only 1 hr suckling) on maternal worm burden, working hypothesis to explain path-finding by migrating worms in lactating rats

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history of Laotian medicine and parasitology from 1641 to current times

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Laos
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prevalence of intestinal and hepatic parasites in natives of Khong Island, Southern Laos
(Schistosoma japonicum; Opisthorchis; hookworm; Ascaris; Trichuris; Taenia)

Laos
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epidemiologic survey of human intestinal parasites: Vientiane, Laos
(Opisthorchis viverrini; hookworm; Strongyloides stercoralis; Trichuris trichiura; Enterobius vermicularis; Taenia sp.; Hymenolepis nana; Ascaris lumbricoides; echinostome sp.; Entamoeba histolytica; E. coli; Giardia lamblia; Trichomonas hominis)

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(Schistosoma japonicum; hookworm; Opisthorchis viverrini; Ascaris lumbricoides; Phaneropsolus bonnei; Trichuris trichiura; Strongyloides stercoralis; Entamoeba coli; Giardia lamblia)

Latvia. See Russia, Latvian SSR.

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human hepatic echinococcosis, medical-legal aspects of post-traumatic rupture of hydatid cysts, non-endemic areas: France

Legal medicine
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medical-legal aspects in diagnosis of human Trichomonas vaginalis vaginitis: France

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L[eishmania] donovani, humans, post kala-azar dermal leishmaniasis, clinical case reports, variable responses to stibophen therapy, pathologic findings, difficulties differentiating from leprosy: Nepal; India

Leprosy
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Leprosy
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onchocerciasis and streptocerciasis in persons with leprosy, possible relationships

Leprosy
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Leukemia
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high serologic titers to toxoplasmosis frequently greater among persons suffering from chronic myeloid leukemia than other persons, therefore leucocyte transfusions from one leukemic to another may be source of infection, pre-transfusion study advised; case report of post-transfusional toxoplasmosis: France

Leukemia
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toxoplasmosis, risk of transmission by blood transfusion, slight when donors are normal, much greater when donors have chronic myeloid leukemia, case reports

Leukemia
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encephalitic illnesses (with visual loss, epilepsy, and right hemiparesis) in child in remission from acute leukemia, suggested involvement of both measles virus and Toxoplasma gondii as cause

Leukemia
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Pneumocystis carinii, interstitial pneumonia in children with acute leukemia, case reports, pentamidine and hydroxystilbamidine

Leukemia
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Trypanosoma cruzi as complication in 4 cases of human acute leukemia and acute lymphoblastic leukemia probably resulting from immunosuppression

Liberia
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Onchocerca volvulus, human, epidemiological survey, parasitological and clinical findings, age and sex specific prevalence rates, relation to rate of blindness: Bong Range, Liberia

Liberia
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Onchocerca volvulus, extensive incidence survey showing geographic patterns, age and sex differences in infected population of Liberia

Liberia
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Onchocerca volvulus, epidemiologic survey of inhabitants of 121 communities over 3-year period for incidence and risk of blindness associated with onchocerciasis infection, importance as public health problem, results show 50% increased risk associated with exposure to parasites: Liberia

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Kuhlow, F.; and Zielke, E., 1976, Tropenmed. u. Parasitol., v. 27 (1), 93-100
night blood survey of 82 localities to establish distribution and prevalence of Wuchereria bancrofti in various parts of Liberia, humans

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Ashford, R. W.; et al., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 401-409
leishmaniasis, human, cutaneous, endemicity confirmed, distribution of disease, characterization of parasite (variable biological properties but biochemically similar, probably single population of strains): Libyan Arab Republic

Libya
Kanter, H., 1967, Med. Laenderk. (1), 1-149
geomedical report on Libya, its inhabitants and its diseases

Life cycle. [See also Development]

Life cycle
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helminths, postcycle parasitism, biological significance, definition, brief theoretical review

Life cycle
Braun, F., 1975, Fisch u. Umwelt (1), 147-150
parasites of fish, importance of intermediate hosts and vectors, control, review

Life cycle
Combes, C., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 151-170
helminth life cycles as influenced by the behavior of their amphibian hosts, review; list of life cycles which may be related to different modes of infestation

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arthropod vectors of human parasites, pathology, defence, evolution of cycles and parasite-vector relationships, extensive theoretical review

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Mrciak, M.; and Rosicky, B., 1975, Biologia, Bratislava, s. B, Zool., v. 30 (8), 589-597
parasites of small mammals and birds in high altitude areas, geographical distribution in relation to altitude, geological history, and host distribution, adaptations to alpine conditions including life history adaptations, review: High Tatra Mountains, Slovakia

Life cycle
Odening, K., 1976, Advances Parasitol., v. 14, 1-93
conception and terminology of hosts in parasitology, extensive review: common host concept in ecology and parasitology; ecological and epidemiological aspects relating to host concept in parasitology; hosts as categories of suitability for certain parasites; host categories of the parasite life cycle; conclusions

Life cycle
Wenk, P., 1977, Naturw. Rundschau, Stuttgart, v. 30 (10), 353-359
helminths, role of immune reactions in host-parasite relationships, life cycles, modes of transmission, superinfection, comprehensive review of complex interrelationships

Life cycle, Acanthocephala
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Lueheia inscripta

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comparison of Moniliformis clarki and M. moniliformis reflects distinctness of species, definitive and intermediate host specificity, laboratory life cycles, failure to hybridize

Life cycle, Acanthocephala
Eure, H., 1976, Parasitology, v. 73 (3), 355-370
Neoechinorhynchus cylindratus in Micropterus salmoides, seasonal periodicity (attempt to determine effects of water temperature, seasonally related host feeding habits, availability of infected intermediate hosts, host's sex and age, host location within reservoir), attempted analyses of parasite recruitment rate, maturation cycle, and sex ratio: heated reservoir (Par Pond), Energy Research and Development Administration's Savannah River Plant, Aiken, South Carolina

Life cycle, Acanthocephala
Gafurov, A. K., 1969, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 20, 46-54
Tenebrionidae as intermediate hosts

Life cycle, Acanthocephala
Ivashkin, V. M.; and Shmytova, G. I., 1969, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 20, 62-63
Mediorhynchus papillosus in beetles

Life cycle, Acanthocephala
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Acanthocephalus jacksoni-infected Lirceus lineatus, altered behavioral responses and increased conspicuousness of parasitized isopods increases likelihood of transmission of cystacanth to definitive host

Life cycle, Acanthocephala
Nickol, B. B., 1977, J. Parasitol., v. 63 (1), 104-111
Mediorhynchus centurorum, life cycle, host specificity

Life cycle, Acanthocephala
Rojanapaibul, A., 1976, Parasitology, v. 73 (2), xi [Abstract]
Acanthocephalus clavula, life cycle and development

Life cycle, Acanthocephala
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Leptorhynchoides thecatus eggs, external fibrillar band, structure, function (to increase intimacy of association between eggs and filamentous algae, eggs associated with algae are more likely to produce infections in intermediate host (Hyalella azteca) than eggs not so associated)

Life cycle, Arthropoda
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neosomy: radical intrastadial metamorphosis in arthropods, definitions, examples, association with parasitic existence, evolutionary significance, review

Life cycle, Arthropoda
Baird, C. R., 1975, Canad. J. Zool., v. 53 (12), 1788-1798
Cuterebra tenebrosa, laboratory rearing in Neotoma cinerea, egg and larval development: effect of larval photoperiod on incidence of pupal diapause (egg photoperiod had no effect), duration of larval development with evidence as to photoperiod-sensitive stage, sequence of gross morphological changes from puparium formation to eclosion, unsuccessful attempts to terminate pupal diapause via temperature or photoperiod manipulations

Life cycle, Arthropoda
Banaja, A. A.; James, J. L.; and Riley, J., 1976, Parasitology, v. 72 (1), 81-91
Reighardia sternae implanted into gulls, low egg production, short patent period, low fecundity offset by auto-reinfection and possibly by direct transmission from bird to bird

Life cycle, Arthropoda
Berdyev, A., 1973, Zool. Zhurnal, v. 52 (2), 191-196
Hyalomma anatolicum excavatum on domestic animals, ecology, seasonal distribution, life cycle: Turkmenia

Life cycle, Arthropoda
Berdyev, A., 1975, Izvest. Akad. Nauk Turkmen. SSR, s. Biol. Nauk (2), 62-66
Hyalomma asiaticum asiaticum, Hyalomma anatolicum excavatum, comparison of life cycles, distribution, hosts, habitats; Hyalomma asiaticum asiaticum has pasture-burrow parasitism, Hyalomma anatolicum excavatum has stall-pasture parasitism: Turkmenia

Life cycle, Arthropoda
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Haemaphysalis cornigera shimoga, life cycle, tendency towards 2-host tick, dropping of engorged stages coincided with diurnal activity of host

Life cycle, Arthropoda
Bhat, H. R.; and Jacob, P. G., 1977, Indian J. Med. Research, v. 65 (1), 1-7
Haemaphysalis wellingtoni, life cycle, reproduction, direct correlation between amount of blood ingested by females and number of eggs laid by them

Life cycle, Arthropoda
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Haemaphysalis cuspidata, life-history, laboratory studies using human (exper.) and chick (exper.)

Life cycle, Arthropoda
Bianco, A. E.; and Muller, R. L., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 383 [Demonstration]
Haemaphysalis leachii leachii as vector of Ackertia globulosa for rodent hosts, tick attachment and adaptations in both tick and nematode life cycles which enable tick to serve as vector

Life cycle, Arthropoda
Branagan, D., 1973, Trop. Animal Health and Prod., v. 5 (3), 153-165
Rhipicephalus appendiculatus, survival and development of all 3 instars under quasi-natural conditions in Kenya

Life cycle, Arthropoda
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Raillietiella orientalis, encysted larvae in hemocoele of adult female represent excellent example of parasitic opportunism and new alternative in an already complex life cycle

Life cycle, Arthropoda
Dohany, A. L.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 221-226
Leptotrombidium fletcheri, life history of Rickettsia-infected mites raised through 5 generations under ambient temperatures of Malaysia compared with a colony reared at 27 C

Life cycle, Arthropoda
Drobishchenko, N. I.; and Shol, V. A., 1975, Entom. Obozr., v. 54 (2), 342-245
Haematobia stimulans, life cycle, egg to adult, under conditions approximating the natural conditions of the southern Altai

Life cycle, Arthropoda
Friedman, S.; and Weisbroth, S. H., 1977, Lab. Animal Sc., v. 27 (1), 34-37
Myobia musculi, mice (exper.), life cycle, application to successful treatment regimen

Life cycle, Arthropoda
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comparative observations, feeding, molting, oviposition and hatching, ixodid ticks, laboratory cultural conditions

Life cycle, Arthropoda
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Orthohalarachne diminuata, O. attenuata, in vitro development, adaptations of life cycle for endoparasitism in mammals, presence of protonymph and deutonymph stages confirmed

Life cycle, Arthropoda
Gil Collado, J.; Zapatero, L. M.; and Guillen, J. L., 1974, Rev. Iber. Parasitol., v. 34 (1-2), 9-24
Wohlfahrtia bella, description of larval stages and adults

Life cycle, Arthropoda
Guevara-Benitez, D.; and Ubeda-Ontiveros, J. M., 1974, Rev. Iber. Parasitol., v. 34 (1-2), 83-102
Sternostoma tracheacolum, morphology, variability, life cycle, treatment with methyl salicylate + nitrobenzol unsuccessful: Granada

Life cycle, Arthropoda
Hajjar, N. P., 1972, J. Med. Entom., v. 9 (6), 551-557
Hyalomma (H.) dromedarii, H. (H.) anatolicum excavatum, premolting nymphs, engorged and ovipositing females, total lipid fatty acids and free fatty acid fractions of hemolymph and gut and molting fluids, changes in relation to feeding, molting, and oviposition

Life cycle, Arthropoda
Hipeau-Jacquotte, R., 1977, Marine Biol., v. 44 (1), 57-63
Pachypygus gibber, pelagic larvae, phototropic reactions (threshold reaction, orientation towards light, speed and form of motility) based on age and stage of parasite

Life cycle, Arthropoda
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Argas robertsi, life cycle and development using domestic pigeons as experimental hosts, comparison of population samples from Taiwan, Thailand, Indonesia, Australia and Sri Lanka

Life cycle, Arthropoda
Khalil, G. M., 1976, Exper. Parasitol., v. 40 (2), 232-237
Argas arboreus, field-collected females, influence of short and long photoperiod before and/or after feeding on diapause induction and termination respectively

Life cycle, Arthropoda
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Argas arboreus, field-collected vs. laboratory-reared F_1 and F_2 females, diapause incidence (% diapause females) and intensity (duration of preoviposition period), effect of constant 26, 30, 34, or 37 C temperatures, results suggest that laboratory rearing caused increased sensitivity of diapause females to high temperature

Life cycle, Arthropoda
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life history of Neomusca porteri on nestlings of Myiarchus crinitus: Archbold Biological Station, Highlands Co., Florida

Life cycle, Arthropoda
Kir'iakova, A. N., 1970, Parazitologiia, Leningrad, v. 4 (3), 267-270
Xenopsylla skrjabini, adults receiving radioactive methionine through feeding on Rhombomys opimus and white mice, transmission of isotope to eggs, larvae, and pupae for two generations

Life cycle, Arthropoda
Kohler, H.-J., 1976, Zool. Jahrb., Jena, Abt. Anat., v. 95 (4), 448-504
Lernaeocera branchialis, egg, embryonic stages, metanauplius, copepodit I development

Life cycle, Arthropoda
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Malaysian trombiculid mites, duration of attachment of larvae on laboratory mice and rats, data for estimation of population densities

Life cycle, Arthropoda
Lavoipierre, M. M. J.; and Lavoipierre, M., 1965, Med. J. Malaya, v. 20 (1), 72-73
American cockroach as intermediate host in life cycle of Raillietiella hemidactyli

Life cycle, Arthropoda
Lavoipierre, M. M. J.; and Rajamanickam, C., 1973, J. Med. Entom., v. 10 (3), 301-302
Raillietiella hemidactyli, life cycle

Life cycle, Arthropoda
MacLeod, J.; and Colbo, M. H., 1976, Bull. Entom. Research, v. 66 (1), 65-74
role of cattle in maintaining immature stages of Amblyomma variegatum and Rhipicephalus appendiculatus, relationship of larva-nymph ratios to seasonal periodicity and body localization: Zambia

Life cycle, Arthropoda
Maunder, J. W.; Cockburn, J. M.; and MacEwen, A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 13 [Demonstration]
Pediculus humanus capitis, film showing aspects of louse reproduction including copulation, egg laying and hatching of eggs with proof of nocturnal endogenous cycle of egg-laying

Life cycle, Arthropoda
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life cycle adaptations of Vatacarus ipoides recovered from air-sacs of tidal reef snakes (Laticauda colubrina): Singapore

Life cycle, Arthropoda
Neitz, W. O.; Boughton, F.; and Walters, H.S., 1972, Onderstepoort J. Vet. Research, v. 39 (2), 117-122
Rhipicephalus theileri, rabbits (exper.), successful rearing of 7 generations of ticks, wide variation in duration of developmental phases and life cycle, high rate of mortality, implications for tick survival in nature; hosts and distribution in Africa

Life cycle, Arthropoda
Norval, R. A. I., 1975, J. Parasitol., v. 61 (4), 737-742
Amblyomma marmoreum, ecology: habitat preference, seasonal activity, seasonal occurrence on hosts, life cycle in laboratory correlated with field observations, temperature dependence of feeding time, effects of host seasonal behavior: Paardekraal Farm, Kowie River Valley, 15 km SE of Grahamstown, Eastern Cape Province, South Africa

Life cycle, Arthropoda
Norval, R. A. I., 1977, J. Parasitol., v. 63 (4), 734-739
Amblyomma hebraeum, distribution of larvae in relation to vegetation and microclimate, seasonal activity of all stages in relation to macroclimate, life cycle normally of 3 years duration, adult and nymphal activity correlated with daylength, temperature, and rainfall: Eastern Cape Province, South Africa

Life cycle, Arthropoda
Norval, R. A. I., 1977, J. Parasitol., v. 63 (4), 740-747
Amblyomma hebraeum, survival and rate of development in relation to temperature and humidity under laboratory and field conditions, longevity of unfed ticks, ecological implications of results

Life cycle, Arthropoda
Oppong, E. N. W.; Lee, R. P.; and Yasin, S. A., 1975, Ghana J. Sc., v. 15 (1), 39-43
Demodex ghanensis sp. nov., cattle, life cycle, pathology

Life cycle, Arthropoda
Paperna, I.; and Zwerner, D. E., 1976, Canad. J. Zool., v. 54 (4), 449-462
Ergasilus labracis, distribution, seasonal abundance, host age, life cycle, developmental stages (free-living and on Morone saxatilis), laboratory studies on egg development, hatching, naupliar survival, and adult female survival; effects of temperature and salinity: lower Chesapeake Bay

Life cycle, Arthropoda
Peirce, M. A.; Irvin, A. D.; and Purnell, R. E., 1973, Bull. Epizoot. Dis. Africa, v. 21 (1), 29-31
maintenance of Hyalomma albiparmatum under laboratory conditions, behavior as a two-host or part three-host tick when feeding on rabbits

Life cycle, Arthropoda
Petrov, D.; and Gecheva, G., 1975, Vet. Med. Nauk., v. 12 (8), 25-32
Argas persicus, optimal temperatures for development 22-38° C, direct transformation of second stage nymphs to adults under favorable conditions, adult females laying eggs for first time have higher potential fertility than those having passed through several gonotrophic cycles, biological cycle continues throughout year in optimal conditions, adult engorges about 30 mg of blood at each feeding

Life cycle, Arthropoda
Rajamanickam, C.; and Lavoipierre, M. M. J., 1965, Med. J. Malaya, v. 20 (2), 171
Periplaneta australasiae as an intermediate host in the life cycle of Raillietiella hemidactyli: Malaysia

Life cycle, Arthropoda
Rechav, Y.; Knight, M. M.; and Norval, R.A.I., 1977, J. Parasitol., v. 63 (3), 575-579
Rhipicephalus evertsi evertsi, life cycle under controlled laboratory conditions: preoviposition, oviposition, incubation, feeding period of larvae and nymphs, weight of replete nymphs, emergence of adults

Life cycle, Arthropoda
Rietschel, G., 1975, Ztschr. Parasitenk., v. 47 (4), 283-297
Oestromyia leporina, hatching, mode of infection of Microtus arvalis, larval development, migration within host, duration of larval stages, perforation of skin; partial immunization against new infection

Life cycle, Arthropoda
Rietschel, G., 1975, Ztschr. Parasitenk., v. 47 (4), 299-306
Oestromyia leporina, laboratory maintenance, technique, copulation, egg maintenance, infection of host, shortening or omission of diapause by effect of light

Life cycle, Arthropoda
Saratsiotis, A., 1977, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 30 (1), 51-59
Rhipicephalus muhsamae, R. lunulatus, life cycle study, description of intermediate stages, comparison with other species of R. simus-R. senegalensis complex

Life cycle, Arthropoda
Scherf, H., 1976, Mitt. Deutsch. Entom. Gesellsch., v. 35 (4-6), 85-90
Hoplopleura edentula, bionomics, seasonal distribution and life cycle in relation to seasonal hair changes in juvenile and mature Clethrionomys glareolus: Naturpark Hoher Vogelsburg

Life cycle, Arthropoda
Smith, M. W., 1975, Ann. Trop. Med. and Parasitol., v. 69 (1), 121-129
Amblyomma cajennense, distribution, populations, host range, distribution relative to several factors (temperature, relative humidity, rainfall, soil type, soil drainage, grass length, land utilization, livestock movements), seasonal variations, life cycle under controlled laboratory conditions, implications of findings for tick control: Trinidad

Life cycle, Arthropoda
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Cymothoidae, evolution of secondary sexual dimorphism, various types of life cycles; particular studies of Meinertia gaudichaudi in Trachurus sp. (cavidad bucal): costas chilenas

Life cycle, Arthropoda
Thompson, K. C., 1976, Vet. Parasitol., v. 2 (2), 223-229
Boophilus microplus, establishment and maintenance of colony free of infection with Anaplasma marginale and Babesia spp., subsequent infection with pure isolate of Babesia bigemina; description of life cycle of Boophilus microplus

Life cycle, Arthropoda
Tumrasvin, W.; Sucharit, S.; and Vutikes, S., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (1), 74-76
Megaselia scalaris, life cycle, public health importance as cause of myiasis in humans: Thailand

Life cycle, Arthropoda
Vasil'eva, I. S., 1977, Zool. Zhurnal, v. 56 (1), 162-163
Hirsutiella zachvatkini, Leptotrombidium orientalis, laboratory rearing techniques, biology of free living stages

Life cycle, Arthropoda
Volkova, G. N., 1975, Ekologiia, Sverdlovsk (5), 100-102
Androlaelaps pavlovskii, feeding, reproduction, and development under laboratory conditions

Life cycle, Cestoda
Bondarenko, S. K.; and Kontrimavichus, V. L., 1976, Dokl. Akad. Nauk SSSR, v. 230 (2), 489-491
Wardium, polymorphism among species of cysticercoids, variety of systematic position of intermediate hosts (oligochaetes, crustaceans), possible phylogenetic significance

Life cycle, Cestoda
Caley, J., 1975, Ztschr. Parasitenk., v. 47 (3), 217-235
Hymenolepis nana, comparison of cysticercoids from Tribolium confusum and mouse villi, electron microscopy; activation and excystation effects of bile salts, other surfactants, pH, succinic and lactic acid

Life cycle, Cestoda
Czaplinski, B.; and Wilanowicz, H., 1969, Acta Parasitol. Polon., v. 17 (1-19), 103-108
Monosaccanthes streperae sp. n. from Anas strepera, development of cysticercoids in Notodromas monacha (exper.)

Life cycle, Cestoda
Ebermann, E., 1976, Ztschr. Parasitenk., v. 50 (3), 303-312
Ctenotaenia marmotae, development of larvae and cysticercoid in oribatid mites experimentally and under field conditions: Polla valley (Carinthia)

Life cycle, Cestoda
Gabrion, C., 1975, Ztschr. Parasitenk., v. 47 (4), 249-262
Anomotaenia constricta, morphology of adult and egg, morphology, migration and development of cysticercus in intermediate host

Life cycle, Cestoda
Gabrion, C.; Plateaux, L.; and Quentin, C., 1976, Ann. Parasitol., v. 51 (4), 407-420
Anomotaenia brevis cysticercoids in Leptothorax nylanderi, mechanism of infection, localization, structure by light and electron microscopy, modifications in parasitized hosts (morphology and pigmentation; behavior and physiology; partial parasitic castration), changes may render more susceptible to ingestion by final hosts (birds)

Life cycle, Cestoda
Gafurov, A. K., 1969, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 20, 46-54
Tenebrionidae as intermediate hosts

Life cycle, Cestoda
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Taenia taeniaeformis, life cycle and developmental morphology in cats (intestin grele) experimentally infected with Cysticercus fasciolaris, cysts recovered from naturally infected Rattus norvegicus (liver), pathology in cats

Life cycle, Cestoda
Hunkeler, P., 1974, Rev. Suisse Zool., v. 80 (4), 1973, 809-930
Hymenolepis aduncihami, H. mopoyemi, H. nagaty, H. straminea, Tenebrio molitor (exper.)

Life cycle, Cestoda
Ito, A., 1977, J. Parasitol., v. 63 (1), 167-168
Hymenolepis nana, simple method for collecting infective cysticercoids from mouse intestine, results suggest mouse to mouse indirect cycle

Life cycle, Cestoda
Jay, M.; and Petithory, J., 1974, Medecine Trop., v. 34 (3), 327-354
extensive clinical review of human cerebral cysticercosis, diagnosis by neurologic symptoms or calcified areas in muscle, statistics of 58 recently recorded cases on Reunion Island

Life cycle, Cestoda
Kabilov, T., 1977, Dokl. Akad. Nauk UzSSR (2), 69-70
Oochoristica truncata, life cycle, description

Life cycle, Cestoda
Kotecki, N. R., 1970, Acta Parasitol. Polon., v. 17 (20-38), 329-355
cestode parasites of Anseriformes under conditions of a zoological park, circulation among hosts, host specificity; life cycles and seasonal distribution of some species: Warszawa Zoo

Life cycle, Cestoda
Lambert, A., 1975, Acta Trop., v. 32 (4), 296-303
Caryophyllaeus brachycollis, description, life cycle

Life cycle, Cestoda
Lubieniecki, B., 1976, J. Fish Biol., v. 8 (6), 431-439
Grillotia erinaceus plerocercoids, haddock, cod, saithe, incidence and intensity increased with host age, no host sex difference in incidence, proportions of parasite maturity stages consistent between haddock length groups, distribution in gut of hosts, speculation on life cycle, Ouchterlony gel diffusion test (precipitin bands failed to develop)

Life cycle, Cestoda
Milbrink, G., 1975, Rep. (54) Inst. Freshwater Research Drottningholm, Sweden, 36-51
Caryophyllaeus laticeps, seasonal incidence, ages of parasite and worm burden in bream; estimating host diet of intermediate hosts from parasite incidence; C. laticeps incidence in relation to Ligula intestinalis incidence

Life cycle, Cestoda
Mishra, G. S.; and Gonzalez, J. P., 1975, Arch. Inst. Pasteur Tunis, v. 52 (1), 71-87
Taenia taeniaeformis (Cysticercus fasciolaris), partial life cycle study, Felis catus domesticus (exper.)

Life cycle, Cestoda
Murav'eva, S. I.; and Popov, V. N., 1976, Zool. Zhurnal, v. 55 (8), 1247-1250
Anophryocephalus skrjabini, suggested that final hosts are infected by crustaceans of family Euphausiidae

Life cycle, Cestoda
Narsapur, V. S., 1974, Indian Vet. J., v. 51 (1), 54-56
Avitellina lahorea, development of cysticercoids in Scheloribates laevigatus and S. fimbriatus (exper.)

Life cycle, Cestoda
Narsapur, V. S., 1977, Indian J. Animal Sc., v. 46 (11), 1976, 603-609
Moniezia expansa, life-cycle study, larval development in mites, length of development to cysticercoid stage, prepatent period in lambs

Life cycle, Cestoda
Pradatsundarasar, A., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 578 [Demonstration]
Raillietina siriraji, larval development in body cavity of cockroaches (exper.)

Life cycle, Cestoda
Reid, W. A.; and Reardon, M. J., 1976, J. Med. Primatol., v. 5 (6), 345-352
Mesocestoides sp., tetrathyridia from baboons fed to laboratory animals to produce adults

Life cycle, Cestoda
Samedov, G. A.; and Salmanov, A. A., 1975, Izvest Akad. Nauk Azerbaidzhan. SSR, s. Biol. Nauk (5), 102-105
Skrjabinia cesticillus

Life cycle, Cestoda
Seidel, J. S., 1975, J. Parasitol., v. 61 (4), 677-681
Hymenolepis microstoma, axenic development in vitro from oncosphere to gravid adult, retarded growth and abnormal development in cultures containing reducing agents

Life cycle, Cestoda
Smyth, J. D., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 93-100
Echinococcus granulosus, strain differences with special reference to horse strain now the major strain in the United Kingdom and Ireland, unknown potential to infect man, symposium report, genetics of strain formation and speciation

Life cycle, Miscellaneous phyla
Christensen, A. M., 1976, Ophelia, v. 15 (1), 77-97
Kronborgia spiralis [n. comb.], redescription, morphological features, life history, host-parasite relationships

Life cycle, Miscellaneous phyla
Damas, D., 1977, Arch. Zool. Exper. et Gen., v. 118 (1), 29-42
Glossiphonia complanata, anatomy and development of female genital apparatus during annual cycle, histology, ultrastructure

Life cycle, Miscellaneous phyla
Davies, R. W.; and Everett, R. P., 1977, Canad. J. Zool., v. 55 (3), 620-627
Nephelopsis obscura, life history, growth and age structure related to seasonal changes, seasonal population movements from deep-water zone to shore zone; no direct correlation between cocoon production and water temperature: Newsome Pond and Jail Pond, Alberta, Canada

Life cycle, Nematoda
Anderson, I. G. H., 1976, J. South African Vet. Med. Ass., v. 47 (1), 23-27
Pneumostrongylus calcaratus, morphology of 1st, 2nd, and 3rd stage larvae, exper. transmission to impala unsuccessful

Life cycle, Nematoda
Annaev, Dzh.; and Mushkambarova, M. G., 1975, Izvest. Akad. Nauk Turkmen. SSR, s. Biol. Nauk (5), 81-87
Abbreviata turkomanica, description, life cycle

Life cycle, Nematoda
Azimov, D. A.; et al., 1976, Dokl. Akad. Nauk UzSSR (10), 65-67
Protostrongylus skrjabini, life cycle

Life cycle, Nematoda
Bianco, A. E.; and Muller, R. L., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 383 [Demonstration]
Haemaphysalis leachii leachii as vector of Ackertia globulosa for rodent hosts, tick attachment and adaptations in both tick and nematode life cycles which enable tick to serve as vector

Life cycle, Nematoda
Campana-Rouget, Y.; et al., 1976, Bull. Acad. Vet. France, v. 49 (2), 205-210
Camallanus fotedari, measurements, life cycle

Life cycle, Nematoda
Cavallo, G., 1974, Pediatria, Napoli, v. 82 (4), 628-653
Enterobius vermicularis, extensive morphologic and clinical review of infection in humans

Life cycle, Nematoda
Cawthorn, R. J.; and Anderson, R. C., 1976, Canad. J. Zool., v. 54 (3), 313-323
Physaloptera maxillaris, description of development and stages in Mephitis mephitis (exper.), attempted experimental infection of other definitive hosts produced no patent infections but worms were found in Canis familiaris and Mustela furo (Felis catus, Procyon lotor, Rattus norvegicus, Mustela vison all negative), experimental investigation of possible paratenic hosts (Rana pipiens, Thamnophis sirtalis, Mus musculus, Gallus sp.)

Life cycle, Nematoda
Chhabra, R. C.; and Singh, K. S., 1977, Indian J. Animal Sc., v. 47 (4), 178-184
Spirocerca lupi, third-stage juveniles, morphology, life history, effect of temperature and humidity on development, viability, and infectivity

Life cycle, Nematoda
Chiejina, S. N.; and Mason, J. A., 1977, Vet. Rec., v. 100 (17), 360-361
Trichonema longibursatum, T. catinatum, horses, maturation of inhibited 3rd stage larvae in intestinal mucosa causing diarrhoea in spring: [Britain]

Life cycle, Nematoda
Church, E. M.; Wyand, D. S.; and Lein, D. H., 1975, Am. J. Vet. Research, v. 36 (3), 331-335
cerebrospinal nematodiasis, experimentally induced in Oryctolagus cuniculus with Ascaris columnaris, A. suum, or Toxocara canis, naturally occurring in Sylvilagus floridanus and O. cuniculus, clinical signs, gross and microscopic changes, duration of infection and parasite morphology and distribution in CNS, potential of rabbits as intermediate or paratenic hosts for ascarids of carnivorous origins

Life cycle, Nematoda
Crites, J. L., 1976, J. Parasitol., v. 62 (1), 166
Camallanus oxycephalus, possible alternative pathway in life cycle, transfer of living encapsulated larvae from forage fish to predaceous fish

Life cycle, Nematoda
Daengsvang, S., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 63-70
Gnathostoma vietnamicum, morphology and morphometric measurements show variation of cephalic hooklet rows on the head bulbs and few body cuticular spines, gross pathology in naturally infected Aonyx cinerea (urinary system) and preliminary experimental life cycle in Mesocyclops leuckarti and Trichopsis vittatus: Thailand

Life cycle, Nematoda
Duke, B. O. L., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 97-107
Loa loa, behavioral aspects of human and simian strains which have contributed to divergent adaptive evolution with 2 separate host-vector complexes that seldom result in parasite interchange

Life cycle, Nematoda
Duke, B. O. L., 1974, Proc. 1. Internat. Cong. Ecol., 323-328
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Life cycle, Nematoda
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Life cycle, Protozoa
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Life cycle, Protozoa
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Life cycle, Protozoa
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Life cycle, Protozoa
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Life cycle, Protozoa
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Life cycle, Protozoa
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Life cycle, Protozoa
Dubey, J. P.; and Streitel, R. H., 1976, J. Parasitol., v. 62 (4), 548-551
Hammondia hammondi, life cycle and transmission: tachyzoites are noninfectious to cats, infectivity being associated with cysts formed by the 10th day of mouse infection; more cysts found in mouse muscle than in brain, less frequent occurrence in spleen, liver, lungs, lymph nodes; absence of congenital transmission in mice; oocysts noninfectious to chickens

Life cycle, Protozoa
Dubey, J. P.; and Streitel, R. H., 1976, J. Parasitol., v. 62 (5), 828-830
Sarcocystis: dogs but not cats shed sporocysts after being fed ovine tissue from Iowa, neither dogs nor cats did with ovine tissue from Ohio although cysts were demonstrated in it; neither dogs nor cats shed after porcine tissue; both dogs and cats shed after bovine tissue

Life cycle, Protozoa
Dujsin, M.; and Pasini, J., 1972, Medicinar, Zagreb, v. 23 (1-2), 9-19
extensive clinical review of human Toxoplasma gondii, life cycle, transmission via infected meat, diagnosis, prophylaxis

Life cycle, Protozoa
Duszynski, D. W.; and Speer, C. A., 1976, Ztschr. Parasitenk., v. 48 (3-4), 191-197
Isospora arctopitheci, I. bigemina, sporozoite excystation, lack of Stieda body, comparison with other Isospora, Eimeria and Sarcocystis species

Life cycle Protozoa
Dzerzhinskii, V. A.; and Svanbaev, S. K., 1975, Izvest. Akad. Nauk Kazakhsk. SSR, s. Biol. (1), 34-36
Eimeria ninaekohljakimovi, endogenous developmental cycle in lambs, schizonts and schizogony

Life cycle, Protozoa
Elce, B. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 162 [Abstract]
Trypanosoma congolense, T. brucei, T. rhodesiense, development in Glossina morsitans and small laboratory mammals

Life cycle, Protozoa
Ellis, D. S.; and Evans, D. A., 1977, Nature (5614), v. 267, 834-835
Trypanosoma brucei rhodesiense, passage through peritrophic membrane of Glossina morsitans morsitans

Life cycle, Protozoa
Ernst, J. V.; Todd, K. S., jr.; and Barnard, W. P., 1977, Internat. J. Parasitol., v. 7 (5), 373-381
Eimeria sigmodontis, description of endogenous stages

Life cycle, Protozoa
Erp, E.; and Fahrney, D., 1975, Am. J. Vet. Research, v. 36 (5), 707-709
Anaplasma marginale, evidence that marginal bodies may leave bovine red blood cells without concomitant lysis, supports proposed endocytosis-exocytosis mechanism of host cell entry and exit in anaplasmosis

Life cycle, Protozoa
Fallis, A. M.; Jacobson, R. L.; and Raybould, J. N., 1973, J. Protozool., v. 20 (3), 438-442
Leucocytozoon neavei, L. schoutedeni, sporogony, transmission by Simulium spp.: Tanzania

Life cycle, Protozoa
Farley, C. A., 1975, J. Protozool., v. 22 (3), 418-427
Minchinia nelsoni in Crassostrea virginica, epizootiologic relationships concerning parasite life cycle, pathologic effects on host, and effects of physical factors: mortality, incidence, seasonal prevalence of progressive disease stages, gross and histopathology, salinity and temperature effects, differences in host susceptibility between native and introduced hosts: Chesapeake Bay, Maryland

Life cycle, Protozoa
Fayer, R., 1972, Science (4017), v. 175, 65-67
Sarcocystis sp., development of gametocytes, gametes, and cyst-like bodies in cell culture

Life cycle, Protozoa
Fayer, R., 1977, J. Parasitol., v. 63 (6), 1072-1075
Sarcocystis cruzi, parameters of sporocyst production by dogs fed experimentally and naturally infected beef: prepatent period, time of maximum production, numbers shed per dog and per gram of feces

Life cycle, Protozoa
Fayer, R.; Johnson, A. J.; and Hildebrandt, P. K., 1976, J. Parasitol., v. 62 (1), 10-14
Sarcocystis fusiformis, narrow specificity of asexual stages for bovine intermediate host, wider but restricted host range of sexual stages for coyotes, dogs, foxes, and raccoons

Life cycle, Protozoa
Fayer, R.; Mahrt, J. L.; and Johnson, A. J., 1973, J. Protozool., v. 20 (4), 509
Sarcocystis fusiformis, life cycle and pathogenic effects in calves (exper.)

Life cycle, Protozoa
Fink, E., 1976, Ztschr. Parasitenk., v. 50 (2), 183-184
P[lasmodium] berghei yoelii, P. cathemerium, schizogony and sporogony stages, metabolites and antimetabolites

Life cycle, Protozoa
Fitzgerald, Paul R., 1974, J. Protozool., v. 21 (2), 336-338
Eimeria stiedai, transmission from donor to recipient rabbits by blood transfusion, data suggest that sporozoites either free in blood or inside macrophages or monocytes are the route by which E. stiedai reaches the liver

Life cycle, Protozoa
Fize, A.; and Michel, R., 1972, Protistologica, v. 8 (2), 143-153
Astasia fennica, life cycle, ultrastructure

Life cycle, Protozoa
Foley, D. A.; and Vanderberg, J. P., 1977, Exper. Parasitol., v. 43 (1), 69-81
Plasmodium berghei, successful transmission to rats, mice, and hamsters using liver from sporozoite-infected rats without concomitant blood infections, concluded that infections were due to immature exoerythrocytic schizonts (EES), other life cycle stages rigorously excluded as cause of infectivity, immunity to malaria in sporozoite-immune mice does not extend to EES

Life cycle, Protozoa
Foley, D. A.; and Vanderberg, J. P., 1977, Experientia, v. 33 (7), 911-912
Plasmodium berghei, rats, mice, simple method for transmitting infection by inoculation of immature exoerythrocytic schizonts, possibility that infection has been induced by other life cycle stages has been experimentally excluded, potential applications of this technique

Life cycle, Protozoa
Fremount, H. N.; and Miller, L. H., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 1-8
organ distribution and ultrastructure of Plasmodium fragile-infected erythrocytes adherent to vascular endothelium

Life cycle, Protozoa
Frenkel, J. K., 1976, National Cancer Inst. Monograph (43), 13-30
"there is justification to regard Pneumocystis from rats and man as different species. . . that from humans is designated P. jiroveci n. sp. . . . no significant morphologic differences between the two species are recognized; the separation rests on apparent species specificity and serologic differences.", morphology, physiology and immunology in relation to pathology

Life Cycle, Protozoa
Frenkel, J. K., 1977, J. Parasitol., v. 63 (4), 611-628
isosporoid coccidia, life cycle patterns, extensive comparison, implications for classification

Life cycle, Protozoa
Frenkel, J. K.; Dubey, J. P.; and Hoff, R. L., 1976, J. Protozool., v. 23 (3), 421-424
Toxoplasma gondii, Besnoitia jellisoni, loss of stages after prolonged passage in tachyzoite stage (T. gondii developed cysts which when fed to cats failed to produce oocysts; B. jellisoni lost capacity to form cysts), phenomena explained by loss of genomes or gene products

Life cycle, Protozoa
Gallucci, B. B., 1974, J. Protozool., v. 21 (2), 254-263
Haemoproteus columbae, macrogametogenesis, fertilization, fine structure

Life cycle, Protozoa
Gallucci, B. B., 1974, J. Protozool., v. 21 (2), 264-275
Haemoproteus columbae, differentiating ookinete, fine structure, presence of conoid reported for first time in Haemosporina

Life cycle, Protozoa
Gardener, P. J.; and Chance, M. L., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 23 [Demonstration]
Leishmania donovani, L. mexicana amazonensis, enzyme differences between life-cycle stages, malate dehydrogenase occurred in promastigote culture stage as different isoenzyme variants but not in amastigote intracellular form, lactate dehydrogenase could not be demonstrated in either stage

Life cycle, Protozoa
Gomez Lus, R., 1969, Med. Trop., Madrid, v. 45 (3), 173-188
extensive review of Toxoplasma gondii, morphology, life cycle, epidemiology of congenital and acquired forms, prophylaxis

Life cycle, Protozoa
Gorenflot, A.; et al., 1976, Ann. Pharm. Franc., v. 34 (5-6), 199-209
Plasmodium berghei, mice, morphology of infected erythrocytes, optical and scanning electron microscopy, proposed hypothetical cycle explaining erythrocyte polymorphism

Life cycle, Protozoa
Gunders, A. E.; and Hadani, A., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 536-538
Nuttallia meri, transmission to Psammomys obesus by field-collected Ornithodoros erraticus (both by intraperitoneal injection of triturated ticks and by bite), believed to be first recorded transmission of mammalian piroplasm by argasid tick: Jordan Valley

Life cycle, Protozoa
Gunders, A. E.; and Hadani, A., 1974, Nature (5438), v. 247, 225-226
Nuttallia meri, demonstration of transmisson to Psammomys obesus by bite of field-collected Ornithodoros erraticus

Life cycle, Protozoa
Gut, J., 1974, J. Protozool., v. 21 (3), 455 [Abstract]
Eimeria labbeana in Streptopelia decaocto (exper.), life cycle

Life cycle, Protozoa
Haberkorn, A., 1976, Ztschr. Parasitenk., v. 50 (2), 194-195
Blastocrithidia triatomae, course of infection in Triatoma infestans, transmission by coprophagy and cannibalism

Life cycle, Protozoa
Hadani, A.; et al., 1977, J. Protozool., v. 24 (4), 65A [Abstract]
Nuttallia danii, gerbils, relatively short span of time between tick (Hyalomma excavatum) transmission of parasite and its appearance in the blood makes the existence of exo-erythrocytic forms highly improbable

Life cycle, Protozoa
Hall, I. M.; Oliver, E. H. A.; and Given, B. B., 1976, N. Zealand J. Zool., v. 3 (3), 257-260
Nosema takapauensis n. sp., schizogony, sporogony, spores in Costelytra zealandica (fat tissue): Takapau, southern Hawkes Bay, New Zealand

Life cycle, Protozoa
Harry, O. G., 1974, J. Protozool., v. 21 (3), 450 [Abstract]
Malpighamoeba locustae, life cycle in Schistocerca gregaria

Life cycle, Protozoa
Harry, O. G.; and Finlayson, L. H., 1976, Parasitology, v. 72 (2), 127-135
Malpighamoeba locustae in Schistocerca gregaria, life cycle, ultrastructure, mode of feeding (phagocytosis)

Life cycle, Protozoa
Hendricks, L. D., 1975, J. Parasitol., v. 61 (3), 458-461
Hepatozoon griseisciuri, schizogonic development in the gray squirrel, distribution and concentration of stages throughout host reticuloendothelial system, wide divergence in number of merozoites, comparison of in vivo and in vitro forms

Life cycle, Protozoa
Hewitt, G. C.; and Little, R. W., 1972, N. Zealand J. Marine and Freshwater Research, v. 6 (1-2), 1-10
Myxosoma cerebralis, life cycle, pathology, disease control: Otago Acclimatisation Society Hatchery at Waitati near Dunedin, New Zealand

Life cycle, Protozoa
Heydorn, A. O., 1977, Berl. u. Munchen. Tierarztl. Wchnschr., v. 90 (11), 218-224
Sarcocystis suihominis n. sp., life cycle study; S. bovihominis failure to infect pigs proves that it is a different species from S. suihominis n. sp.

Life cycle, Protozoa
Heydorn, A.-O.; and Gestrich, R., 1976, Berl. u. Munchen. Tierarztl. Wchnschr., v. 89 (1), 1-5
Sarcocystis ovicanis, developmental stages in lambs, lamb muscles infectious for experimental dogs

Life cycle, Protozoa
Heydorn, A.-O.; Gestrich, R.; and Ipczynski, V., 1975, Berl. u. Munchen. Tierarztl. Wchnschr., v. 88 (23), 449-453
small race of Isospora bigemina, life cycle, developmental stages, intestine of dog

Life cycle, Protozoa
Heydorn, A.-O.; Gestrich, R.; and Janitschke, K., 1976, Berl. u. Munchen. Tierarztl. Wchnschr., v. 89 (6), 116-120
Sarcocystis bovihominis, sporocysts in feces of rhesus monkey, baboons, and humans, all experimentally infected with material from calf

Life cycle, Protozoa
Hoff, R. L.; et al., 1977, J. Parasitol., v. 63 (6), 1121-1124
Toxoplasma gondii, forms developed in culture characterized by their oral infectivity for cats and mice and by prepatent periods resulting in cats, investigation of role of antibody in formation of bradyzoites

Life cycle, Protozoa
Homewood, C. A.; and Howells, R. E., 1973, J. Protozool., v. 20 (4), 526-527
Plasmodium berghei, cyclical changes in carbohydrate metabolism, gain and loss of enzymes of citric acid cycle follows change of host

Life cycle, Protozoa
Hommel, M.; and Robertson, E., 1976, Experientia, v. 32 (4), 464-466
Trypanosoma blanchardi, in vitro system for study of attachment of trypanosomes to plastic (polystyrene flasks) by means of hemidesmosomes, significance of this type of attachment unknown, reproduces natural stage in life cycle

Life cycle, Protozoa
Howells, R. E.; and Maxwell, L. M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 19 [Demonstration]
Plasmodium berghei, isocitrate dehydrogenase activity in relation to mitochondrial changes during life-cycle; enhancement of enzyme activity greater in reticulocytes infected by chloroquine-resistant vs. -sensitive strain

Life cycle, Protozoa
Hudkins-Vivion, G.; Kistner, T. P.; and Fayer, R., 1976, J. Wildlife Dis., v. 12 (1), 86-87
coccidia-free Canis familiaris and captive Canis latrans fed Sarcocystis-infected flesh from Bos taurus and Odocoileus h. hemionus, statistical difference in size of resulting sporocysts indicates Sarcocystis from Bos taurus and O. h. hemionus probably constitute distinct species with life cycle dependent on respective ruminant host and a canine host: Oregon

Life cycle, Protozoa
Janitschke, K.; Protz, D.; and Werner, H., 1976, Ztschr. Parasitenk., v. 48 (3-4), 215-219
Sarcosporidia [sp.], cysts from Gazella granti (muscle) fed to dogs and cats which shed oocysts and sporocysts (feces), morphological study

Life cycle, Protozoa
Kalavati, C., 1977, Arch. Protistenk., v. 119 (3), 217-223
Ganapatiella odontotermi n. gen. n. sp.

Life cycle, Protozoa
Kemp, R. L.; and Franson, J. C., 1975, Avian Dis., v. 19 (4), 741-744
Histomonas meleagridis, experimental transmission to chickens and turkeys by earthworms recovered from pheasant yard soil; earthworms may serve as transport hosts for Heterakis eggs and thus ultimately for H. meleagridis

Life cyle, Protozoa
Khan, R. A., 1975, J. Parasitol., v. 61 (3), 449-457
Leucocytozoon ziemanni, development in simuliid vectors and in saw-whet owls, gametogony and sporogony, schizogony, sequential appearance of hepatic and megaloschizonts and associated round and fusiform gametocytes

Life cycle, Protozoa
Khan, R. A., 1976, Canad. J. Zool., v. 54 (11), 1840-1849
Trypanosoma murmanensis in cod and leech Johanssonia sp., life cycle more rapid at higher temperatures

Life cycle, Protozoa
Killick-Kendrick, R., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 261-277
Plasmodium berghei nigeriensis subsp. nov., life cycle, sporogony, effect of high and low temperatures on sporogony, infectivity of sporozoites, primary exoerythrocytic schizogony, blood stages; zoogeography; comparison with P. b. berghei, P. b. yoelii, and P. b. killicki

Life cycle, Protozoa
Killick-Kendrick, R.; et al., 1977, Proc. Roy. Soc. London, s. B, Biol. Sc.(1131), v. 198, 191-199
Leishmania braziliensis in Lutzomyia longipalpis (exper.), development and attachment of parasites in ileum and pylorus

Life cycle, Protozoa
Kingston, N.; and Morton, J. K., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 179-181
Trypanosoma cervi in Cervus canadensis (spleen, liver), recovery of multiplication stages

Life cycle, Protozoa
Lainson, R.; Shaw, J. J.; and Ward, R. D., 1976, Parasitology, v. 72 (3), 225-243
Schellackia landauae sp. nov., development, life cycle, exper. transmission between Polychrus marmoratus and Culex pipiens fatigans: Brazil

Life cycle, Protozoa
Lamy, L. H., 1971, Bull. Inst. Pasteur, Paris, v. 69 (4), 401-420
Leishmania donovani, Trypanosoma cruzi, T. brucei group, comparisons of life cycle, morphology, reproduction and development, metabolism, extensive review

Life cycle, Protozoa
Landau, I., 1973, Ann. Trop. Med. and Parasitol., v. 67 (4), 403-407
analysis of analogy between Toxoplasma and Hepatozoon life cycles; importance and role of cyst formation in the Coccidia

Life cycle, Protozoa
Landau, I.; et al., 1975, Compt. Rend. Acad. Sc., Paris, v. 281, s. D, Sc. Nat. (22), 1721-1723
Eimeria sp., crustacean infected with oocysts from fish feces, freed sporozoites remain as latent stage in intestinal wall; possible alimentary pyramid concentrating infective forms in aquatic environment
Gymnothorax moringa "murene" (foie, intestin): Petit Bourg, Guadeloupe
Mysidacea (intestinal wall) (exper.)

Life cycle, Protozoa
Le Bail, O.; and Landau, I., [1975], Ann. Parasitol., v. 49 (6), 1974, 663-668
Schellackia balli n. sp.

Life cycle, Protozoa
Lepp, D. L.; and Todd, K. S., jr., 1974, J. Protozool., v. 21 (2), 199-206
Isospora canis in dogs (exper.), description, endogenous cycle, localization in small intestine; failure to reinfect previously infected dogs

Life cycle, Protozoa
Lie, K. J.; and Colley, F., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 410-411 [Demonstration]
Perezia helminthorum recovered from rediae of Echinostoma malayanum, stages in life cycle

Life cycle, Protozoa
Loubes, Cl.; Ormieres, R.; and Bouix, G., [1972], Bull. Soc. Zool. France, v. 96 (4), 1971, 519-530
Gregarina embiae n. sp., life cycle, ultrastructure of cephalin

Life cycle, Protozoa
Louckova, M., 1974, J. Protozool., v. 21 (3), 457 [Abstract]
Leptomonas sp. in Corixa punctata, life cycle, unusual mode of encystment

Life cycle, Protozoa
Macchioni, G.; and Marconcini, A., 1974, Ann. Fac. Med. Vet., Pisa, v. 26, 1973, 402-409
Sarcocystis tenella, life cycle in cats experimentally infected with cysts from sheep oesophagus, not infective to dogs, mice and chickens; incidence in sheep

Life cycle, Protozoa
McConnell, E. E.; et al., 1972, Onderstepoort J. Vet. Research, v. 39 (2), 113-115
Isospora papionis, numerous oocysts found in skeletal muscles of Papio ursinus, possible importance of this localization in regard to parasite life cycle: Kruger National Park, Republic of South Africa

Life cycle, Protozoa
McCully, R. M.; et al., 1975, Onderstepoort J. Vet. Research, v. 42 (4), 117-133
Hepatozoon sp. in wild carnivores and H. canis in dogs compared, location in host, developmental stages, lesions, pathogenesis; attempt to transmit Hepatozoon from jackal to dogs by means of Rhipicephalus sanguineus was inconclusive: South Africa

Life cycle, Protozoa
McDougald, L. R.; and Jeffers, T. K., 1976, J. Protozool., v. 23 (4), 530-534
Eimeria tenella precocious vs. normal strains, comparative development in vitro, pathogenicity attenuation and reduction of prepatent period in precocious strain clearly resulted from omission of portion of life cycle (2nd generation schizogony)

Life cycle, Protozoa
McDougald, L. R.; and Jeffers, T. K., 1976, Science (4236), v. 192, 258-259
Eimeria tenella, selection for precociousness resulted in strain with only one asexual generation prior to gametogony in vitro

Life cycle, Protozoa
McQueary, C. A.; Worley, D. E.; and Catlin, J. E., 1977, Am. J. Vet. Research, v. 38 (10), 1673-1674
Eimeria leuckarti, horses, prevalence and life cycle: southwestern Montana

Life cycle, Protozoa
Mandal, A. K., 1977, Indian J. Animal Health, v. 16 (1), 5-8
Isospora lacazei, Eimeria labbeana, distribution patterns of DNA and RNA in various stages of life cycle

Life cycle, Protozoa
Markus, M. B., 1974, Ann. Trop. Med. and Parasitol., v. 68 (2), 247-248
Eimeria tenella, passage through Lumbricus terrestris does not affect infectivity for chicks, implies possibility of cat-earthworm-bird-cat cycle for Toxoplasma gondii

Life cycle, Protozoa
Markus, M. B., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 535 [Letter]
human malaria, support for hypothesis that sporozoites remain dormant after entering host body and are mechanisms responsible for relapse phenomenon and extended prepatent period; likened to similar behavior of some Isospora spp.

Life cycle, Protozoa
Markus, M. B.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 3 [Demonstration]
Sarcocystis fusiformis, attempted infection of chimpanzees and cats; one cat shed sporocysts; all animals sero-negative to indirect fluorescent antibody test

Life cycle, Protozoa
Mason, J., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 581-585
Plasmodium vivax, seasonal pattern and patterns of recurrences in high-incidence coastal area, relapse pattern observed may provide for parasite survival through prolonged dry season of low transmission potential: El Salvador

Life cycle, Protozoa
Mehlhorn, H.; et al., 1975, Ztschr. Parasitenk., v. 48 (2), 137-150
Theileria annulata, developmental stages in intestine and haemolymph of Hyalomma anatolicum excavatum, microgamont-like stages, microgamete-like stages, ookinete-like stages, electron microscopy

Life cycle, Protozoa
Mehlhorn, H.; Heydorn, O.; and Gestrich, R., 1975, J. Protozool., v. 22 (3), 83A [Abstract]
calves infected with Isospora hominis sporocysts or I. bigemina large forms from dog or cat, development of Sarcocystis fusiformis cysts in musculature, each of 3 species of Isospora forms characteristic cysts, "Ainsi, il semble prouve que les kystes de Sarcocystis fusiformis Railliet, 1897 font partie des cycles de developpement d'au moins trois especes differentes de Coccidies."

Life cycle, Protozoa
Mehlhorn, H.; Heydorn, A. O.; and Gestrich, R., 1975, Ztschr. Parasitenk., v. 48 (2), 83-93
Sarcocystis ovicanis, lambs infected with cysts from dogs which had been infected with sheep muscles infected with S. tenella, light and electron microscopy of cysts in lambs, cyst wall structure

Life cycle, Protozoa
Mehlhorn, H.; and Schein, E., 1976, J. Protozool., v. 23 (4), 14A [Abstract]
Theileria, sexual development in intestine and hemolymph of Hyalomma anatolicum excavatum

Life cycle, Protozoa
Mehlhorn, H.; and Schein, E., 1976, Tropenmed. u. Parasitol., v. 27 (2), 182-191
electron microscopic study of developmental stages of Theileria parva in the intestine of the tick Hyalomma anatolicum

Life cycle, Protozoa
Metz, H., 1973, Med. Klin., Berlin, v. 68 (37), 1199-1202
Toxoplasma gondii, clinical aspects, epidemiology, life cycle, congenital and acquired forms

Life cycle, Protozoa
Meyer, C. L.; and Bennett, G. F., 1976, Canad. J. Zool., v. 54 (2), 133-141
Plasmodium circumflexum, P. polare, sporogony

Life cycle, Protozoa
Meyer, H.; and de Souza, W., 1976, J. Protozool., v. 23 (3), 385-390
Trypanosoma cruzi, peripheral microtubules, number and arrangement in different life cycle stages (spheromastigotes and trypomastigotes)

Life cycle, Protozoa
Michajlow, W.; and Wita, I., 1977, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 24 (10), 1976, 615-618
Embryocola diflagellatus sp. n., developmental cycle

Life cycle, Protozoa
Molnar, K., 1976, Acta Vet., Budapest, v. 26 (3), 303-312
Eimeria sinensis, description, developmental stages, pathology

Life cycle, Protozoa
Mueller, B. E. G., 1975, Ztschr. Parasitenk., v. 47 (1), 23-34
Eimeria contorta, asexual development from sporozoite to first-generation merozoite in tissue culture, possible feeding function of some structures, electron microscopy

Life cycle, Protozoa
Mueller, B. E. G., 1975, Ztschr. Parasitenk., v. 47 (2), 91-101
Eimeria contorta, development, first generation merozoites to second generation schizonts and merozoites in mouse, electron microscopy

Life cycle, Protozoa
Munday, B. L.; Humphrey, J. D.; and Kila, V., 1977, Avian Dis., v. 21 (4), 697-703
Sarcocystis [sp.], fowl, severe myositis, prevalence, pathology, successful transmission to a dog

Life cycle, Protozoa
Naciri-Bontemps, M., 1976, Ann. Recherches Vet., v. 7 (3), 223-230
Eimeria acervulina cycle, grown in primary culture of chicken kidney cells, inoculation with sporozoites for schizogony, merozoites for gamogony

Life cycle, Protozoa
Narasimhamurti, C. C., 1976, Proc. Indian Acad. Sc., Sect. B, v. 84 (4), 141-147
Eimeria mecistophori n. sp. in Mecistocephalus punctifrons (gut), life cycle: University Campus, Waltair

Life cycle, Protozoa
Narasimhamurti, C. C., 1977, Proc. Indian Acad. Sc., Sect. B, v. 86 (4), 239-244
Adelina rayi n. sp., sporogony

Life cycle, Protozoa
Ormerod, W. E.; and Venkatesan, S., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 161 [Abstract]
Trypanosoma brucei, working hypothesis on the life cycle in mammalian hosts

Life cycle, Protozoa
Ormieres, R., [1976], Ann. Parasitol., v. 50 (5), 1975, 521-529
Gregarina ovata, life cycle, production of macrosporocysts, compared with Gregarina fallax n. sp. life cycle producing microsporocysts, host specificity

Life cycle, Protozoa
Ormieres, R.; et al., 1976, J. Protozool., v. 23 (2), 320-328
Octosporea muscaedomesticae, various life cycle stages, ultrastructure

Life cycle, Protozoa
Ormieres, R.; Louis, C.; and Kuhl, G., [1972], Bull. Soc. Zool. France, v. 96 (4), 1971, 547-556
Mattesia oryzaephili n. sp., life cycle, pathology, Oryzaephilus surinamensis

Life cycle, Protozoa
Ormieres, R.; Louis, C.; and Kuhl, G., 1972, Protistologica, v. 8 (3), 287-294
Mattesia oryzaephili, first generation schizogony, ultrastructure

Life cycle, Protozoa
Otieno, L. H.; Darji, N.; and Onyango, P., 1976, Acta Trop., v. 33 (2), 143-150
Trypanosoma brucei, development to infective stage in Glossina morsitans following inoculation of bloodstream forms into haemocoel, observations suggest possibility of cyclical transmission other than by the classically prescribed route of migration in tsetses; unusual modes of multiplication observed in haemocoel trypanosomes

Life cycle, Protozoa
Overdulve, J. P., 1976, Trop. and Geogr. Med., v. 28 (4), 363 [Abstract]
Toxoplasma gondii, light and electron microscopy of development in small intestine of cat

Life cycle, Protozoa
Padchenko, I. K., 1975, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (5), 52-56
Trichomonadidae, polymorphism observed only during reproduction; multiple reproduction arising from chemicals; absence of cyst stage proven

Life cycle, Protozoa
Pakes, S. P.; Shadduck, J. A.; and Cali, A., 1975, J. Protozool., v. 22 (4), 481-488
Encephalitozoon cuniculi from rabbits, fine structure and development in rabbit choroid plexus cell cultures found to be identical with that of isolates from hamster and mouse, "proposed, therefore, that the 3 organisms represent the same species, Encephalitozoon cuniculi."

Life cycle, Protozoa
Paterson, W. B.; and Desser, S. S., 1976, J. Protozool., v. 23 (2), 294-301
Haemogregarina balli sp. n., life cycle and biology: leeches as presumed vectors; description of sporogonic development; no transovarial transmission in turtle; failure to exper. infect turtles or leeches: Lake Sasajewan, Algonquin Park, Ontario, Canada

Life cycle, Protozoa
Pestre-Alexandre, M.; and Nicolas, J. A., 1972, Medecine et Malad. Infect., v. 1 (12), special no., 557-564
Toxoplasma gondii, morphology, life cycle, epidemiology, domestic cat as intermediate host in transmission to man

Life cycle, Protozoa
Pifer, L. L.; Hughes, W. T.; and Murphy, M. J., jr., 1977, Pediat. Research, v. 11 (4), 305-316
Pneumocystis carinii, isolation and propagation in vitro using chick embryo epithelial lung cell cultures; scanning and transmission electron morphology, life cycle and cyst multiplication, attachment to host cells, RNA, DNA and protein synthesis, no active mechanism for motility observed

Life cycle, Protozoa
Poitrat, C., 1973, Medecine Infant., v. 80 (3), 345-365
Toxoplasma gondii, general review of life cycle, morphology, diagnosis, epidemiology and clinical management

Life cycle, Protozoa
Potgieter, F. T.; and Els, H. J., 1976, Onderstepoort J. Vet. Research, v. 43 (3), 123-128
Babesia bovis, merozoite development in salivary glands of Boophilus microplus larvae, ultrastructure

Life cycle, Protozoa
Powell, E. C.; and McCarley, J. B., 1975, J. Parasitol., v. 61 (5), 928-931
murine sarcocysts fed to cats produced isosporan infection, resulting oocysts fed to mice produced sarcocysts, sarcocysts from exper.-infected mice fed to other cats again produced Isospora felis-like infection

Life cycle, Protozoa
Regal, D. S., 1976, Zentralbl. Vet.-Med., Reihe B, v. 23 (9), 744-763
Eimeria necatrix, chickens (exper.), developmental stages in middle section of small intestine, caecum and large intestine, light and electron microscopy

Life cycle, Protozoa
Regal, D. S., 1977, Zentralbl. Vet.-Med., Reihe B, v. 24 (4), 297-316
Eimeria necatrix in chickens (exper.), developmental stages of schizogony and gametogony in various sections of the intestine, light and electron microscopy

Life cycle, Protozoa
Rehman, B., 1974, Pakistan J. Sc., v. 26 (1-6), 89-91
Eimeria tenella, white leghorn chickens (exper), life cycle studies, prepatent period

Life cycle, Protozoa
Ribeiro, R. D.; Belda Neto, F. M.; and Pereira Barretto, M., 1977, Rev. Brasil. Biol., v. 37 (1), 55-59
Trypanosoma cruzi, various strains, evolution in coelomic cavity of triatomines

Life cycle, Protozoa
Riedel, D., 1975, J. Protozool., v. 22 (1), 8-17
Trypanosoma (Herpetosoma) tamiasi sp. n., life cycle, mode of reproduction, morphogenesis, morphometrics, host specificity

Life cycle, Protozoa
Rollinson, D., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 21 [Demonstration]
Eimeria tenella, development in Coturnix c. japonica eggs to oocysts capable of sporulation

Life cycle, Protozoa
Romero Rodriguez, J., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 235-242
Isospora lacazei, I. chloridis, morphology, sporulation, endogenous cycle, Serinus canarius (intestino delgado): Spain

Life cycle, Protozoa
Romero-Rodriguez, J., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 113-116
Isospora schwetzi, description, sporulation, differentiation of species of Isospora found in genus Corvus

Life cycle, Protozoa
Rommel, M.; et al., 1976, Ztschr. Parasitenk., v. 50 (2), 204-205
Frenkelia clethrionomyobuteonis, life cycle

Life cycle, Protozoa
Rommel, M.; and Geisel, O., 1975, Berl. u. Munchen. Tierarztl. Wchnschr., v. 88 (24), 468-471
Sarcocystis equicanis, incidence, stages in horse and dog, life cycle

Life cycle, Protozoa
Rommel, M.; Krampitz, H. E.; and Geisel, O., 1977, Ztschr. Parasitenk., v. 51 (2), 139-146
Frenkelia clethrionomyobuteonis, sexual development in small intestine of Buteo buteo (exper.) infected with cysts from Clethrionomys glareolus

Life cycle, Protozoa
Rose, M. E.; and Hesketh, P., 1976, Parasitology, v. 73 (1), 25-37
Eimeria maxima, determination of life-cycle stages which induce protective immunity (second generation schizont probably most concerned), stages affected by immune response (sexual stages most susceptible), chickens

Life cycle, Protozoa
Rudzinska, M. A.; et al., 1976, Cell and Tissue Research, v. 169 (3), 323-334
Babesia microti invades host erythrocyte through invagination of host plasma membrane with formation of parasitophorous vacuole, vacuolar space disappears and membrane of parasite and vacuole become closely adjacent, outer membrane then disintegrates

Life cycle, Protozoa
Rudzinska, M. A.; and Trager, W., 1977, Canad. J. Zool., v. 55 (6), 928-938
Babesia microti, intraerythrocytic stage, fine structure and formation of merozoites, schizogony stage lacking

Life cycle, Protozoa
Ruiz, A.; and Frenkel, J. K., 1976, J. Infect. Dis., v. 133 (4), 409-418
Sarcocystis muris, obligatory 2-host life cycle (mouse-cat), development, pathology

Life cycle, Protozoa
Ryley, J. F.; and Robinson, T. E., 1976, Ztschr. Parasitenk., v. 50 (3), 257-275
Eimeria magna, rabbits, schizogony, gametogony, excystation of oocysts; mild pathogenic effects

Life cycle, Protozoa
Samoil, H. P.; and Samuel, W. M., 1977, J. Parasitol., v. 63 (2), 203-205
Eimeria robertsoni, life cycle in Lepus americanus (nat. and exper.), failure of cross-transmission to Oryctolagus cuniculus: Alberta

Life cycle, Protozoa
Sanders, R. D.; and Poinar, G. O., jr., 1973, J. Protozool., v. 20 (5), 594-602
Lankesteria clarki sp. n. in Aedes sierrensis

Life cycle, Protozoa
Sanders, R. D.; and Poinar, G. O., jr., 1976, J. Invert. Path., v. 28 (1), 109-119
Pleistophora probably n. sp. in Aedes sierrensis, development and fine structure, potential as biological control agent

Life cycle, Protozoa
Schein, E., 1975, Ztschr. Parasitenk., v. 47 (2), 165-167
Theileria annulata, microgametes, macrogametes, zygotes, ookinetes, sporonts, in midgut or haemolymph of Hyalomma anatolicum excavatum (exper.)

Life cycle, Protozoa
Schein, E., 1976, Ztschr. Parasitenk., v. 50 (2), 205-206
Theileria annulata, developmental stages in Hyalomma anatolicum excavatum

Life cycle, Protozoa
Schein, E.; Buescher, G.; and Friedhoff, K. T., 1975, Ztschr. Parasitenk., v. 48 (2), 123-136
Theileria annulata, developmental stages in gut of engorged Hyalomma anatolicum excavatum nymphs, microgamonts, microgametes, macrogamonts, macrogametes, zygotes, kinetes, light microscopy

Life cycle, Protozoa
Schein, E.; Warnecke, M.; and Kirmse, P., 1977, Parasitology, v. 75 (3), 309-316
Theileria parva, life cycle in gut of Rhipicephalus appendiculatus, morphology of developmental stages

Life cycle, Protozoa
Schein, E.; and Warnecke, M., 1976, Ztschr. Parasitenk., v. 50 (2), 211
Theileria parva, developmental stages in intestine of Rhipicephalus appendiculatus and Hyalomma a. excavatum

Life cycle, Protozoa
Scholtyseck, E.; et al., 1977, Ztschr. Parasitenk., v. 51 (3), 229-240
Eimeria ferrisi, mice, electron microscopy of microgamogony

Life cycle, Protozoa
Schrevel, J.; Asfaux-Foucher, G.; and Bafort, J. M., 1977, J. Ultrastructure Research, v. 59 (3), 332-350
Plasmodium b. berghei in Anopheles stephensi (midgut), ultrastructural study of sporogony, multiple nuclear divisions

Life cycle, Protozoa
Senaud, J., 1972, Bull. Inst. Pasteur, Paris, v. 70 (1), 3-27
extensive review of life cycle, morphology and development of Toxoplasma gondii

Life cycle, Protozoa
Senaud, J.; Chobotar, B.; and Scholtyseck, E., 1976, Ztschr. Parasitenk., v. 49 (3), 217-222
Eimeria ferrisi, asexual development in intestinal lumen of mouse, multinuclear stages apparently identical with endogenesis, ultrastructure

Life cycle, Protozoa
Senaud, J.; Mehlhorn, H.; and Scholtyseck, E., J. Protozool., v. 21 (5), 715-720
Besnoitia jellisoni, development in macrophages and cysts from experimentally infected Mus musculus, results concerning origin and formation of inner complex of pellicle during endodyogeny indicate origin of inner membranes from endoplasmic reticulum

Life cycle, Protozoa
Sheffield, H. G.; Frenkel, J. K.; and Ruiz, A., 1977, J. Parasitol., v. 63 (4), 629-641
Sarcocystis muris, mice, development of parasite, cyst wall, and parasitized muscle cells during course of infection and in correlation with potential infectivity of cyst organisms, ultrastructural study

Life cycle, Protozoa
Shute, P. G.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 474-481
Plasmodium vivax, delayed incubation in North Korean strain characterized by predominantly prolonged prepatent period, study shows that number of sporozoites influences length of prepatent period

Life cycle, Protozoa
Sinden, R. E.; Canning, E. U.; and Spain, B., 1976, Proc. Roy. Soc. London, s. B, Biol. Sc. (1110), v. 193, 55-76
Plasmodium yoelii nigeriensis, transmission electron microscopy, ultrastructure of micro- and macrogametocytes, nuclear and cytoplasmic changes during gametogenesis, fertilization

Life cycle, Protozoa
Singotam, L.; and Dass, C. M. S., 1977, Indian J. Exper. Biol., v. 15 (9), 719-727
Grebneckiella pixellae, scanning electron microscopy of various life cycle stages reveals: epimerite as attachment organ to host gut epithelium, epicytic folds of body wall at various regions of trophozoite, changes in body folds during gamont formation and sexual dimorphism, syzygy, gamete formation, spore structure, possible role of epicytic folds in gregarine movement and absorption of nutrients

Life cycle, Protozoa
Smith, D. D.; and Frenkel, J. K., 1977, J. Parasitol., v. 63 (6), 1066-1071
Besnoitia darlingi, isolation from Didelphis marsupialis, production of acute lethal infections in mice and hamsters by inoculation of cysts, chronic infections with formation of tissue cysts obtained in mice by sulfadiazine prophylaxis, cysts fed to cats resulted in shedding of isosporoid oocysts, mouse-to-mouse transmission achieved by injecting triturated tissue containing cysts, serologic testing

Life cycle, Protozoa
Sprague, V.; and Vernick, S. H., 1974, J. Protozool., v. 21 (5), 667-677
Ichthyosporidium sp., apparently identical with I. giganteum, fine structure of cyst and some sporulation stages, cyst apparently a defensive reaction of host origin but living and metabolically active, new interpretation of Golgi complex

Life cycle, Protozoa
Sterling, C. R.; and DeGiusti, D. L., 1974, J. Protozool., v. 21 (2), 276-283
Haemoproteus metchnikovi in Chrysops callidus, differentiating oocysts and mature sporozoites, fine structure

Life cycle, Protozoa
Stockdale, P. H. G., 1976, Vet. Parasitol., v. 1 (4), 367-376
Eimeria zuernii, schizogony and gametogony

Life cycle, Protozoa
Stockdale, P. H. G., 1977, Brit. Vet. J., v. 133 (5), 471-473
Eimeria zuernii, calves (exper.), life cycle apparently contains at least two schizogonous generations before gametogony

Life cycle, Protozoa
Szabo, T., 1974, Mount Sinai J. Med., v. 41 (6), 765-773
human Toxoplasma gondii, current status in the United States, clinical review (pathology, transmission, epidemiology, diagnosis, prophylaxis, temporal variations)

Life cycle, Protozoa
Szekely, R.; and Sapunar, J., 1976, Bol. Chileno Parasitol., v. 31 (1-2), 23-29
Giardia lamblia in humans, life cycle, morphology, pathology, clinical aspects and treatment, review

Life cycle, Protozoa
Tadros, W.; and Laarman, J. J., 1976, Acta Leidensia, v. 44, 107 pp.
Sarcocystis and related coccidian parasites, general review with discussion of biological aspects of life cycles and new proposal for classification

Life cycle, Protozoa
Tadros, W.; and Laarman, J. J., 1977, Proc. K. Nederl. Akad. Wetensch., s. C, v. 80 (4), 351-352
Sarcocystis cuniculi

Life cycle, Protozoa
Terragna, A., 1975, Paediatrician, v. 4 (2-3), 138-154
Toxoplasma gondii in children, present perspectives, extensive review (biology, epidemiology, life cycle, clinical aspects, diagnosis, fine structure, therapy)

Life cycle, Protozoa
Timofeev, B. A.; and Akulov, A. V., 1975, Sel'skokhoz. Biol., v. 10 (2), 257-263
Toxoplasma gondii, life cycle, oocysts isolated from cats and alimentarily introduced into calves, sheep, and rabbits caused mild to severe infections, recommended removal from animal houses of toxoplasma positive cats

Life cycle, Protozoa
Trigg, P. I.; and Gutteridge, W. E., 1977, Symposia Brit. Soc. Parasitol., v. 15, 57-81
parasitic Protozoa, morphological, biochemical, and physiological changes occurring during life cycles, symposium presentation

Life cycle, Protozoa
Tronchin, G., 1974, J. Protozool., v. 21 (3), 475-476 [Abstract]
Gregarina blaberae in Blaberus craniifer (exper.), relationship between life cycle of parasite and host

Life cycle, Protozoa
Tsai, C. S.; and Cross, J. H., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 556-557 [Demonstration]
Toxoplasma gondii, re-confirmation of coccidian-like cycle in the intestinal tract of the domestic cat (exper.)

Life cycle, Protozoa
Tsuneda, K., 1974, Nettai Igaku (Trop. Med.), v. 16 (1), 11-20
Plasmodium gallinaceum, asexual forms and gametocytes, cyclic changes in numbers in blood of infected fowls, effect of chloroquine treatment, exflagellation of gametocytes (as indication of infectivity for mosquito vectors) demonstrated as long as mature gametocytes could be found in blood

Life cycle, Protozoa
Ungureanu, E.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 482-483
Plasmodium vivax, tropical and temperate strain differences probably resulting from production of 2 types of sporozoites, type I in tropical strain eliciting short prepatent period and type II in temperate strain eliciting long prepatent period, relapse of P. vivax possibly delayed parasitemia from type II sporozoites

Life cycle, Protozoa
Upadhyay, A. N.; and Ahluwalia, S. S., 1976, Indian J. Animal Sc., v. 46 (10), 567-570
coccidia, pigs (exper.), measurements of 4 types of mature schizonts recovered from single pig (small intestine)

Life cycle, Protozoa
Urdaneta-Morales, S.; and de Alvarado, E., 1975, Acta Biol. Venez., v. 9 (1), 17-36
Trypanosoma cruzi Y strain, Aedes aegypti (exper.), enteric development from trypomastigote to epimastigote

Life cycle, Protozoa
Varghese, T., 1976, Ztschr. Parasitenk., v. 50 (3), 227-235
Eimeria labbeana from Columba livia, microgametogenesis, fine structure of microgamonts and microgametes

Life cycle, Protozoa
Vasallo Matilla, F., 1971, Med. Trop., Madrid, v. 47 (1), 37-47
morphology, life cycle, first reports of human infection with Isospora hominis recorded in Spain

Life cycle, Protozoa
Vetterling, J. M., 1973, J. Protozool., v. 20 (4), 510
Eimeria tenella will not complete life cycle in close phylogenetic relatives of Gallus gallus even though it will do so in cell culture of these birds; 1 or 2 sporozoites were able to develop to macrogametes in Alectoris graeca but did not produce patent infection; E. tenella does not develop parenterally in its definitive host or close phylogenetic relatives

Life cycle, Protozoa
Vickerman, K., 1973, J. Protozool., v. 20 (4), 529
Protozoa, life cyclical changes in physiology

Life cycle, Protozoa
Vinckier, D., 1975, J. Protozool., v. 22 (2), 170-184
Nosemoides vivieri comb. nov., life cycle, transformation of sporoblasts, organitogenesis of spore

Life cycle, Protozoa
Vivares, C. P.; Bouix, G.; and Manier, J. F., 1976, J. Protozool., v. 23 (4), 21A-22A [Abstract]
Ormieresia carcini, life cycle, ultrastructure

Life cycle, Protozoa
Vivares, C. P.; Bouix, G.; and Manier, J.-F., 1977, J. Protozool., v. 24 (1), 83-94
Ormieresia carcini gen. n., sp. n.

Life cycle, Protozoa
Vivier, E.; Petitprez, A.; and Landau, I., 1972, Protistologica, v. 8 (3), 315-334
Hepatozoon domerguei, sporoblastogenesis, ultrastructure

Life cycle, Protozoa
Vossen, M. E. M.; et al., 1977, Ztschr. Parasitenk., v. 51 (2), 213-217
Pneumocystis carinii in rat lungs, ultrastructural studies of extra-cellular and intra-cellular development, speculations on life cycle

Life cycle, Protozoa
Vrablic, J., 1977, Biologia, Bratislava, s. B, Zool. (3), v. 32 (8), 565-573
Toxoplasma gondii, microgamogony, cats

Life cycle, Protozoa
Vrablic, J., 1977, Biologia, Bratislava, s. B, Zool. (1), v. 32 (2), 89-99
Toxoplasma gondii, schizogony and gametogony in small intestine of cats (exper.)

Life cycle, Protozoa
Vrablic, J., 1977, Biologia, Bratislava, s. B, Zool. (4), v. 32 (11), 841-850
Toxoplasma gondii, intestine of cat, intraepithelial stages of asexual and sexual multiplication; macrogamogony and oogony

Life cycle, Protozoa
Watanabe, H., 1976, J. Invert. Path., v. 28 (3), 321-328
Nosema sp. of Spodoptera litura, morphology, life cycle and development, host range, pathogenicity, comparisons with other Nosema spp.

Life cycle, Protozoa
Weiser, J., 1976, Ztschr. Parasitenk., v. 48 (3-4), 263-270
Pleistophora debaisieuxi, xenomas (xenoparasitic complexes or parasite-host interactions) in blackflies, Odagmia ornata (fat body), syncytial and neoplastic types, morphology: Kokorin near Prague

Life cycle, Protozoa
Weiser, J., 1977, J. Protozool., v. 24 (2), Suppl., 17A [Abstract]
Thelohania ephestiae, occurrence of two types of sporogony

Life cycle, Protozoa
Werner, H.; and Janitschke, K., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 57-64
Toxoplasma gondii, morphological variations in developmental stages, details of sexual forms and oocysts, life cycle completed only in domestic cat, partial common antigenicity demonstrated between Toxoplasma and Isospora

Life cycle, Protozoa
Wheat, B. E.; et al., 1976, Ztschr. Parasitenk., v. 50 (2), 125-136
Eimeria mivati, ultrastructure of macrogametogenesis

Life cycle, Protozoa
Wildfuehr, G.; and Wildfuehr, W., 1975, Toxoplasmose. Ratgeber fur Artzte und Tierarzte, 320 pp., illus.
Toxoplasma gondii, guidebook for physicians and veterinarians, morphology, life cycle, diagnosis, epidemiology, pathology, prenatal infection, veterinary aspects, extensive review

Life cycle, Protozoa
Wood, S. F., 1976, Prensa Med. Argent., v. 63 (16), 462-469
Trypanosoma cruzi, environmental changing temperature as influence and regulator of life cycle in both vertebrate and invertebrate hosts

Life cycle, Protozoa
Yoeli, M., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 302-305
Plasmodium berghei NK65 strain, slow maturing primary exo-erythrocytic schizonts in laboratory bred Thamnomys surdaster, differentiation of this "slowed down" growth rhythm from that of "chronic" forms of P. b. yoelii

Life cycle, Protozoa
Yoeli, M., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 306-310
Plasmodium berghei NK65 strain from highlands of Katanga, experimental approach shows only single generation of exo-erythrocytic schizonts formed in Thamnomys surdaster (exper.)

Life cycle, Protozoa
Zaman, V.; and Colley, F. C., 1975, Ztschr. Parasitenk., v. 47 (3), 169-185
Sarcocystis orientalis sp. n., life cycle, light and electron microscopy

Life cycle, Protozoa
Zizka, Z., 1974, J. Protozool., v. 21 (3), 459 [Abstract]
Farinocystis tribolii, life cycle

Life cycle, Trematoda
Azimov, D. A., 1977, Uzbek. Biol. Zhurnal (3), 44-46
Trichobilharzia ocellata, life cycle, description of cercaria, potential infection of domestic waterfowl

Life cycle, Trematoda
Bashirullah, A. K. M., 1972, Norwegian J. Zool., v. 20 (3), 209-212
Isoparorchis hypselobagri from fish, notes on life cycle: Bangladesh

Life cycle, Trematoda
Belopol'skaia, M. M.; and Soboleva, T. N., 1977, Izvest. Akad. Nauk Kazakhsk. SSR, s. Biol. (4), 19-24
Microphallus helicicola sp. nov.

Life cycle, Trematoda
Bhutta, M. S.; and Khan, D., 1974, Pakistan J. Zool., v. 6 (1-2), 111-121
Ganeo micracetabulus n. sp., life cycle

Life cycle, Trematoda
Bhutta, M. S.; and Khan, D., 1974, Pakistan J. Zool., v. 6 (1-2), 123-139
Echinostoma lahorensis n. sp., life cycle

Life cycle, Trematoda
Blair, D., 1976, J. Helminth., v. 50 (2), 125-132
Apatemon gracilis, life cycle completed in laboratory, cercaria redescribed, development of metacercariae in various fishes (host and location specificity, exper. infections not realized in some fish species which were naturally infected), excystation of metacercaria

Life cycle, Trematoda
Blankespoor, H. D., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 44-50
Plagiorchis noblei, life cycle studies: egg (infectivity); cercaria (diel periodicity of emergence; seasonal periodicity; temperature effect on longevity and infectivity); metacercaria (infectivity); adults (location in definitive host; longevity; seasonal periodicity)

Life cycle, Trematoda
Bourgat, R.; Seguin, D.; and Bayssade-Dufour, C., [1976], Ann. Parasitol., v. 50 (6), 1975, 701-713
Dicrocoelium hospes, morphology, life cycle, differentiation from D. lanceolatum

Life cycle, Trematoda
Bozhkov, D., 1974, Izvest. Tsentral. Khelmint. Lab., v. 17, 25-31
8 helminth species in Rana ridibunda fed to Natrix natrix or N. tesselata, found that Diplodiscus subclavatus, Opisthioglyphe ranae, Cephalogonimus retusus, and Cosmocerca ornata can pass alive from body of ingested frog to intestine of Natrix natrix, and D. subclavatus to N. tesselata

Life cycle, Trematoda
Cable, R. M., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 1-18
digenetic trematodes, behaviour, review (reproduction, hatching, penetration, response to taxic and host stimulation; cercarial emergence, swimming)

Life cycle, Trematoda
Campbell, R. A., 1973, Tr. Am. Micr. Soc., v. 92 (2), 256-265
Cotylurus flabelliformis, host specificity, host-induced variations not significant, temperature of fixative greatly influenced size of worms in permanent preparations, development in domestic mallard

Life cycle, Trematoda
Carney, W. P., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 139-144
Brachylecithum stunkardi, life cycle

Life cycle, Trematoda
Chung, H. L.; et al., 1975, Scientia Sinica, v. 18 (6), 785-814
Paragonimus hueitungensis sp. nov., life history, pathogenicity, case reports in children, transmission by raw or undercooked crabs

Life cycle, Trematoda
Combes, C.; and Coll, A. M., 1974, Bull. Soc. Neuchatel. Sc. Nat., 3. s., v. 97, 203-214
Cephalogonimus europaeus, morphology of larval stages, development of metacercaria and adult

Life cycle, Trematoda
Combes, C.; and Nassi, H., 1977, Internat. J. Parasitol., v. 7 (6), 501-503
Apatemon graciliformis, life cycle involves novel mode of transmission, furocercariae penetrate gravid females of Poecilia reticulata and develop into metacercariae in vitelline vesicles of embryos encysting short time before parturition, young guppies are born infected and their impaired swimming probably renders them more prone to predation by definitive host; if cercariae penetrate non-gravid hosts they enter oocytes and thus become intracellular parasites

Life cycle, Trematoda
Corkum, K. C.; and Beckerdite, F. W., 1975, Am. Midland Naturalist, v. 93 (2), 484-491
Alloglossidium macrobdellensis, life history, description of developmental stages, migration in leech, seasonal incidence and prevalence of infection apparently direct reflection of annual breeding cycle of leech: Louisiana

Life cycle, Trematoda
Deblock, S., [1976], Ann. Parasitol., v. 50 (5), 1975, 579-589
Microphallidae, 2 types of life cycle

Life cycle, Trematoda
Deblock, S.; and Maillard, C., 1975, Acta Trop., v. 32 (4), 317-326
Microphallus breviatus n. sp., abbreviated life cycle with all larval stages in Hydrobia ventrosa: Etang de l'Arnel (cote ouest), Herault, France

Life cycle, Trematoda
Dronen, N. O., jr., 1975, J. Parasitol., v. 61 (4), 657-660
Haematoloechus coloradensis

Life cycle, Trematoda
Dvoriadkin, V. A., 1976, Zool. Zhurnal, v. 55 (4), 515-520
Nanophyetidae, analysis of geographic range of species in relation to zoogeographic areas, intermediate host distribution and specificity, life cycles

Life cycle, Trematoda
Fares, A.; and Maillard, C., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (312), Zool. (219), 837-844
Haplosplanchnus pachysomus, life cycle

Life cycle, Trematoda
Font, W. F.; and Corkum, K. C., 1976, Am. Midland Naturalist, v. 96 (2), 473-478
Alloglossidium renale in Palaemonetes kadiakensis (antennary gland), annual cycle, seasonal incidence, close adaptation to host life cycle (A. renale annual mortality precedes death of its shrimp definitive host): St. James and Head of Island ponds, Louisiana

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Schistosoma japonicum, morphometric data, strain comparisons, review of life cycle and reproduction

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Plagiorchis elegans, life cycle, intraspecific variation

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Opisthioglyphe ranae, O. rastellus, life cycle, cercarial behavior, penetration, development; abbreviation of life cycles

Life cycle, Trematoda
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Life cycle, Trematoda
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Life cycle, Trematoda
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Aspidogaster conchicola, life cycle and development in Viviparus malleatus and Goniobasis livescens, growth phases and allometry

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Iliushina, T. L., 1973, Zool. Zhurnal, v. 52 (2), 263-265
Prosthogonimus ovatus, caddis-flies as intermediate hosts

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Life cycle, Trematoda
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Zoogonoides viviparus, extensive life cycle study, morphology

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Paramphistomum cervi, development of parasite in snail intermediate host and free-living stages, overwintering in snail

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laboratory studies on life cycle of Catatropis indica

Life cycle, Trematoda
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Life cycle, Trematoda
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Diplostomum spathaceum, progenetic metacercariae from Lymnea elodes, infectivity for gull with normal development to adult without fish intermediate host

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Life cycle, Trematoda
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Paragonimus westermani found in felid but not in viverrid cats, analysis of stomach contents revealed no remains of crab intermediate hosts in either family of cats, in feeding experiments only viverrids ate host crabs, probable transmission of P. westermani to felids via paratenic hosts: Malaysia

Life cycle, Trematoda
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Paratimonia gobii, autotomized siphon of second intermediate host mollusc containing metacercaria eaten by fish

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Schistosomatium douthitti in snail and mammalian hosts, geographical distribution, biology of life history stages

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Ribeiroia ondatrae

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Life cycle, Trematoda
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Paragonimus spp., human and animal lung flukes, morphologic and life cycle comparisons, worldwide geographic distribution

Life cycle, Trematoda
Miyazaki, I.; and Habe, S., 1976, J. Parasitol., v. 62 (4), 646-648
Paragonimus westermani, probability that various animals serve as paratenic hosts and man can acquire infection from eating them as well as by eating crabs or crayfish

Life cycle, Trematoda
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Metapolystoma cachani, life cycle, coexistence of internal cycle (direct development) in bladder of Ptychadena longirostris and neotenic reproduction on gills of tadpole

Life cycle, Trematoda
Nasir, P., 1975, Riv. Parassitol., Roma, v. 36 (2-3), 109-135
notocotylids of fresh water, synoptic review of life cycles

Life cycle, Trematoda
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Life cycle, Trematoda
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Apophallus donicus, life cycle, morphology, potentially lethal to small salmon and infective to man through fish consumption

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Life cycle, Trematoda
Ogambo-Ongoma, A. H.; and Goodman, J. D., 1976, J. Parasitol., v. 62 (1), 33-38
Fascioloides gigantica, development of intramolluscan stages in Lymnaea natalensis (exper.), differences from previous accounts

Life cycle, Trematoda
Palmieri, J. R.; Sullivan, J. T.; and Ow-Yang, C. K., 1977, J. Parasitol., v. 63 (2), 299-300
Fasciola gigantica, occurrence of sporocyst generation in Lymnaea rubiginosa (exper.) (mantle collar, renal vein), observations contradict those of direct metamorphosis of miracidium into rediae

Life cycle, Trematoda
Pande, B. P.; and Shukla, R. P., 1972, Indian J. Animal Sc., v. 42 (11), 971-978
Haplorchis pumilio, H. yokogawai, Centrocestus formosanus, enlarged list of intermediate and exper. definitive hosts

Life cycle, Trematoda
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Opisthorchis caninus in albino rats and mice (both exper.), development of metacercarial cysts, results indicate that mice are unfavorable hosts; systematic position discussed; synonymy

Life cycle, Trematoda
Pandey, K. C., [1975], Indian J. Zoot., v. 14 (3), 227-236
Clinostomum piscidium, life cycle, description of eggs, miracidium, redia, cercaria, metacercaria, and adults

Life cycle, Trematoda
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Leucochloridium perturbatum, sporocyst pigmentation, variability, life cycle

Life cycle , Trematoda
Pojmanska, T., 1969, Acta Parasitol. Polon., v. 16 (20-27), 1968-1969, 177-184
Leucochloridium subtilis sp. n.

Life cycle, Trematoda
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Leucochloridium, morphological variability, constant specific characters, sporocysts useful for differentiating species

Life cycle, Trematoda
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Aporchis massiliensis, life cycle, morphology of adult and larval stages

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Maritrema misenensis n. comb.

Life cycle, Trematoda
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Life cycle, Trematoda
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Life cycle, Trematoda
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Plagioporus shawi [n. comb.]

Life cycle, Trematoda
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Life cycle, Trematoda
Schneider, C. R.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 169-170
hydrobiid snail Pachydrobia bavayi attracts miracidia of Mekong schistosomiasis but is not capable of carrying life cycle to completion; possible use as decoy snail under natural conditions to reduce miracidial density

Life cycle, Trematoda
Sey, O.; and Sayed, R. I., 1976, Acta Zool. Acad. Scient. Hungar., v. 22 (1-2), 165-171
pre-parasitic stages of Basidiodiscus ectorchis and Sandonia sudanensis, embryonic development, morphology of miracidia, formed redia present in germinal cavity of miracidia, sporocyst stage absent

Life cycle, Trematoda
Shigin, A. A., 1969, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 20, 176-190
Diplostomum gobiorum, life cycle, morphology of cercaria, metacercaria and marita; comparison with D. vanelli, possibly synonyms

Life cycle, Trematoda
Singh, B. P.; and Ahluwalia, S. S., 1977, Indian Vet. J., v. 54 (3), 207-212
Orientobilharzia dattai, post-cercarial development and migration in white mice, rabbits and guinea pigs (all exper.)

Life cycle, Trematoda
Soboleva, T. N., 1975, Izvest. Akad. Nauk Kazakhsk. SSR, s. Biol. (6), 22-27
Postharmostomum gallinum, life cycle, morphology of sporocyst, cercaria, metacercaria, marita

Life cycle, Trematoda
Sornmani, S.; et al., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 218-225
Schistosoma japonicum, Mekong strain, life cycle

Life cycle, Trematoda
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Schistosoma japonicum-like trematode, experimental life cycle studies show ova to be rounder and smaller than classical Schistosoma japonicum and therefore postulated that parasite is new geographical strain or subsp.

Life cycle, Trematoda
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Schistosoma japonicum-like trematodes from Khong Island, life cycle

Life cycle, Trematoda
Srivastava, G. C., 1975, J. Helminth., v. 49 (1), 57-64
Dicrocoelium dendriticum metacercariae, intensity of infection in naturally infected Formica pratensis in relation to host size: Veliko Turnovo and Panaguirishte, Bulgaria

Life cycle, Trematoda
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bucephalid trematodes, life cycles, intermediate hosts, systematics, review

Life cycle, Trematoda
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Life cycle, Trematoda
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Diplostomum petromyzi-fluviatilis, morphology, life cycle, comparison with related species

Life cycle, Trematoda
Taft, S. J., 1975, J. Parasitol., v. 61 (6), 1041-1043
Cyclocoelum brasilianum, life cycle, larval development

Life cycle, Trematoda
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trematodes of domestic animals, parasitic cycle in laboratory snails, reinfestation after treatment; development of snail population: Niger river area

Life cycle, Trematoda
Tang, C. C.; and Tang, C. T., 1977, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 23 (3), 267-282
Eurytrema coelomaticum, E. pancreaticum, incidence in cattle and sheep, epidemiology, life history, development in intermediate and experimental hosts: Fu-jian, South China

Life cycle, Trematoda
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Plagiorchis neomidis, life cycle, cercarial chetotaxy, photoperiodicity of cercarial emergence, metacercarial development

Life cycle, Trematoda
Umathevy, T., 1965, Med. J. Malaya, v. 20 (1), 58
laboratory studies on the life cycle of Echinostoma ilocanum

Life cycle, Trematoda
Upatham, E. S., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 600-604
Schistosoma mansoni, egg-infested human feces deposited in natural and standing and running water habitats containing Biomphalaria glabrata (exper.), tests of how soon and for how long eggs would hatch showed that hatchability of eggs was high but only a few miracidia successfully infected snails

Life cycle, Trematoda
Vajrasthira, S.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 586 [Demonstration]
Haplorchis yokogawai, experimental life cycle

Life cycle, Trematoda
Vajrasthira, S.; and Yamput, S., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 585-586 [Demonstration]
Prosthodendrium molenkampi, life cycle development in dragon flies (family Libellulidae) and the rice field crab (Parathelphusa dugasti) (both exper.)

Life cycle, Trematoda
Vasilev, I.; and Denev, I., 1972, Izvest. Tsentral. Khelmint. Lab., v. 15, 5-20
Philophthalmus sp., development of larval stages in Fagotia acicularis (exper.) (cardiac ventriculum, digestive tract)

Life cycle, Trematoda
Velasquez, C. C., 1975, J. Parasitol., v. 61 (5), 910-914
Carneophallus brevicaeca comb. n., life cycle, role of Macrobrachium sp. as vector for human infection in areas where raw shrimp are consumed: Philippines

Life cycle, Trematoda
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Xenopharynx solus, description of miracidium

Life cycle, Trematoda
Voelker, J., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 4-20
Paragonimus uterobilateralis, redescription of adult, description of metacercaria and egg, life cycle

Life cycle, Trematoda
Voelker, J.; and Sachs, R., 1977, Tropenmed. u. Parasitol., v. 28 (2), 137-144
natural infections of Mandrillus leucophaeus and Perodicticus potto suggest accidental involvement in life cycle of Paragonimus africanus, experimental infections show Macaca mulatta to be highly susceptible to P. africanus and somewhat resistant to P. uterobilateralis

Life cycle, Trematoda
Wang, F. C.; et al., 1977, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 23 (1), 88-96
Fasciolopsis buski, life history study, seasonal infection in pigs: Fujian Province

Life cycle, Trematoda
Wilson, R. A.; and Draskau, T., 1976, Parasitology, v. 72 (3), 245-257
Fasciola hepatica in Lymnaea truncatula, stimulation of daughter redia production by host starvation or by low or high temperature shocks, no evidence that presence of daughter rediae coincides with suppression of cercarial production

Life cycle, Trematoda
Zaidi, D. A.; and Khan, D., 1975, Pakistan J. Zool., v. 7 (2), 161-176
Euclinostomum minutus, life history

Life history. See Life cycle.

Light
Baird, C. R., 1975, Canad. J. Zool., v. 53 (12), 1788-1798
Cuterebra tenebrosa, laboratory rearing in Neotoma cinerea, egg and larval development: effect of larval photoperiod on incidence of pupal diapause (egg photoperiod had no effect), duration of larval development with evidence as to photoperiod-sensitive stage, sequence of gross morphological changes from puparium formation to eclosion, unsuccessful attempts to terminate pupal diapause via temperature or photoperiod manipulations

Light
Blankespoor, H. D., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 44-50
Plagiorchis noblei, life cycle studies: egg (infectivity); cercaria (diel periodicity of emergence; seasonal periodicity; temperature effect on longevity and infectivity); metacercaria (infectivity); adults (location in definitive host; longevity; seasonal periodicity)

Light
Denner, M. W., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 406 [Abstract]
Mermis nigrescens, oviposition may occur in absence or presence of sunlight, presence of haemoglobin may not act as chromotropic stimulus for egg laying

Light
Doube, B. M., 1975, J. Med. Entom., v. 12 (1), 15-22
Ornithodoros gurneyi, rats (exper.), regulation of circadian rhythms controlling time of detachment of engorged larvae and nymphs, relevance to tick ecology

Light
Hipeau-Jacquotte, R., 1977, Marine Biol., v. 44 (1), 57-63
Pachypygus gibber, pelagic larvae, phototropic reactions (threshold reaction, orientation towards light, speed and form of motility) based on age and stage of parasite

Light
Holmes, J. C.; and Bethel, W. M., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 123-149
parasite modification of intermediate host behavior in order to increase vulnerability of intermediate host to predation by definitive host; reversal of phototaxis by cystacanths of Polymorphus paradoxus produces altered evasive response in Gammarus lacustris vectors which in turn increases vulnerability of infected vectors to ingestion by mallard duck hosts

Light
Howell, F. G., 1976, J. Med. Entom., v. 13 (1), 99-106
Argas cooleyi, behavior responses to directed and undirected light, daily light cycle, effect of low temperature

Light
Ioffe, I. D., 1976, Zool. Zhurnal, v. 55 (4), 526-530
Ixodes persulcatus, Haemaphysalis concinna, Dermacentor silvarum, olfactory and visual centers, relative size, importance of photoreception

Light
Iqbal, Q. J.; and Humphries, D. A., 1974, Pakistan J. Zool., v. 6 (1-2), 163-174
Nosopsyllus fasciatus, sequence of actions during mating, initiation by contact-chemical stimulus, negative phototactic behaviour

Light
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Schistosoma mansoni eggs, hatching, role of light, ionic concentrations of medium, and osmotic pressure; effect of ions on miracidial motility; histochemical nature of egg vacuoles and their possible role in hatching process

Light
Khalil, G. M., 1976, Exper. Parasitol., v. 40 (2), 232-237
Argas arboreus, field-collected females, influence of short and long photoperiod before and/or after feeding on diapause induction and termination respectively

Light
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Cimex lectularius, responses to smell stimuli in relation to various environmental factors (temperature, light, atmospheric pressure, strong mechanical influence)

Light
Levine, N. D.; Mansfield, M. E.; and Todd, K. S., jr., 1977, J. Parasitol., v. 63 (5), 954-956
Haemonchus contortus, effects of photoperiod during development and of storage on maturation of larvae in lambs

Light
Maddox, J. V., 1977, Misc. Publications Entom. Soc. Am., v. 10 (3), 3-18
Nosema necatrix, N. trichoplusiae, viability of spores, effects of sunlight, temperature, water or humidity, substrate or chemicals; potential stability as biological control agents against insect pests

Light
Mason, P. R.; and Fripp, P. J., 1976, J. Parasitol., v. 62 (5), 721-727
Schistosoma mansoni, miracidial movement in relation to age, temperature, pH, light intensity, light shock, and snail-conditioned water, dark-ground photographic technique

Light
Mason, P. R.; and Fripp, P. J., 1977, J. Parasitol., v. 63 (2), 240-244
Schistosoma mansoni miracidia, reactions to artificial light at room temperature and at 15 C,, "choice-chamber" experiments correlated with direct observations and darkground photography

Light
Michel, J. F.; Lancaster, M. B.; and Hong, C., 1974, J. Comp. Path., v. 84 (4), 539-554
Ostertagia ostertagi, Cooperia oncophora, evidence that arrested development is due to action of environmental factors, nature of environmental signals not precisely identified but not simple, changes which they induce in larvae are spontaneously reversed after a time

Light
Mitterer, K.-E., 1975, Ztschr. Parasitenk., v. 47 (1), 35-43
Fasciola hepatica, egg hatching, CO$_2$ concentration, pH, light and darkness, temperature

Light
Mohammed, A. N., 1976, Tijdschr. Diergeneesk., v. 101 (8), 413-420
Ixodes ricinus, pre-ovipositioning and prehatching periods as affected by photoperiodicity

Light
Mohandas, A., 1974, Proc. National Acad. Sc. India, Sect. B, v. 44 (3), 139-144
cercariae, factors influencing emergence, behavior and viability

Light
Nasir, P., 1973, Riv. Parassitol., Roma, v. 34 (3), 169-180
cercarial biology: developmental anomalies; emergence in relation to light, host starvation, temperature, rough handling of host or changed environment, and number of parthenitae within snails

Light
Norval, R. A. I., 1977, J. Parasitol., v. 63 (4), 734-739
Amblyomma hebraeum, distribution of larvae in relation to vegetation and microclimate, seasonal activity of all stages in relation to macroclimate, life cycle normally of 3 years duration, adult and nymphal activity correlated with daylength, temperature, and rainfall: Eastern Cape Province, South Africa

Light
Panfilova, I. M., 1976, Zool. Zhurnal, v. 55 (3), 371-377
Ixodes persulcatus, Dermacentor silvarum, Haemaphysalis concinna, react positively to weak light and negatively to strong light; position of photo-receptors

Light
Rehbinder, C., 1977, Acta Vet. Scand., v. 18 (1), 75-85
Cephenomyia trompe larvae, reindeer (exper.) (conjunctival sac), conjunctivitis, keratitis only with natural ultraviolet radiation as enhancing factor

Light
Reichenbach-Klinke, H. H., 1975, Fisch u. Umwelt (1), 151-153
parasites of fish, control by manipulation of environmental factors (temperature, oxygen, light, pH)

Light
Rietschel, G., 1975, Ztschr. Parasitenk., v. 47 (4), 299-306
Oestromyia leporina, laboratory maintenance, technique, copulation, egg maintenance, infection of host, shortening or omission of diapause by effect of light

Light
Robertson, A. S.; et al., 1975, J. Med. Entom., v. 12 (5), 525-529
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Light
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Echinococcus granulosus, E. multilocularis, human hepatic cysts, diagnosis by laparoscopy

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Liver
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Liver
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Liver
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Liver
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Liver
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Liver
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Liver
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Liver
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Liver
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possible correlations of estrogen-containing contraceptive pills in the presence of schistosomal hepatic fibrosis with intramammary duct hyperplasia and cancer, exper. mice

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Liver
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Liver
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Liver
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Liver
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Liver
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Fasciola hepatica liver infections in husband and wife who had eaten watercress contaminated by cattle, problems in diagnosis solved only by pathology discovered in diagnostic surgery, good responses to emetine and chloroquine therapy: Victoria, Australia

Liver
Yeh, S. D. J.; McSweeney, J.; and Shiu, M. H., 1977, N. York State J. Med., v. 77 (3), 396-399
Schistosoma japonicum in immigrant Chinese presenting as hepatoma, diagnosed at surgical intervention, significance of differential diagnosis of liver masses in immigrants from Orient: New York City

Liver
Zerolo, J.; et al., 1974, Marseille Med., v. 111 (3), 153-156
man, hepatic hydatid cyst in association with hepatic amoebiasis, case report, clinical aspects: France

Liver
Zielinski, V. E.; and Elmslie, R. G., 1969, Med. J. Australia, v. 1 (17), 839-842
human echinococcosis of liver with rupture into biliary tree and accompanying jaundice, clinical aspects, case reports: Australia

Localization
Ah, H.-S.; and Chapman, W. L., jr., 1976, Vet. Parasitol., v. 2 (3), 251-258
Paragonimus kellicotti, dog, severe pulmonary paragonimiasis, observation of extrapulmonary granulomatous lesions in liver, mediastinal lymph nodes, spermatic cord, and tunica vaginalis: Georgia, U.S.A.

Localization
Aisa, E., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 517-524
Myxobolus ellipsoides bramaeformis, lesions in swimbladder of Tinca tinca: Lake Trasimeno

Localization
Aisa, E., 1972, Parassitologia, v. 14 (2-3), 219-225
Myxobolus ellipsoides bramaeformis, infection levels similar in central and littoral portions of lake; infection of tench, Tinca tinca, localized mainly on gills, occasionally in swimbladder, rarely diffuse; slight pathological effects, no mortality; limnological data giving no ecological clue to distribution: lake Trasimeno

Localization
Ambrosi, M.; Fioroni, A.; and Polidori, G. A., 1972, Parassitologia, v. 14 (2-3), 227-233
helminths of sheep, survey, incidence: Umbria, Italy

Localization
Amin, O. M., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 81-88
helminths of Catostomus commersoni, distribution, structural observations, effects of host size (age) on worm burden and site of infection: southeastern Wisconsin

Localization
Andersen, K., 1976, Fauna, Oslo, v. 29 (1), 1-20
helminth adaptation to life in vertebrate intestine, cysts, attachment organs, structure of tegument, immune response, site selection, evolution, extensive review

Localization
Anderson, J.; Fuglsang, H.; and Marshall, T. F. de C., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 362-373
Onchocerca volvulus, comparative follow-up epidemiologic study of infected villagers from savannah and rain-forest areas, relationships between development of eye lesions and high concentrations of microfilariae in skin, particularly around shoulders, as well as eye, implications for prevention of blindness: Cameroon

Localization
Anderson, R. I., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 418 [Letter]
Onchocerca volvulus, human, location of microfilariae, in addition to skin and eye also found in urine which suggests invasion of renal system and possibly even other internal organs: Chad

Localization
Anderson, W. I.; et al., 1976, Avian Dis., v. 20 (4), 752-755
Eimeria tenella, chickens (exper.), lifecycle stages in bursa of Fabricius, histological examinations

Localization
Ashizawa, H.; et al., 1976, Bull. Fac. Agric. Univ. Miyazaki, v. 23 (1), 79-86
Paragonimus westermani, dog, pathology of lung, spleen, and diaphragm, case report of apparent aberrant migration from lungs to spleen and diaphragm

Localization
Bakke, T. A., 1972, Norwegian J. Zool., v. 20 (3), 165-188
Digenea of Larus canus, incidence and intensity, age of host, seasonal variation, distribution in alimentary canal; relationship to host habitat, food, and breeding behavior: Norway

Localization
Bakke, T. A.; and Barus, V., 1976, Norwegian J. Zool., v. 24 (1), 7-31
nematodes of Larus canus, age and sex of host, seasonal variations, distribution in alimentary canal: Agdenes, Norway

Localization
Barrowman, P. R., 1976, Onderstepoort J. Vet. Research, v. 43 (2), 55-65
Trypanosoma equiperdum in naturally infected horses, transmission studies, clinical symptoms and lesions, localization of parasite, host immune response, methods for parasite detection, varying results of chemotherapy with MSbE; attempts to infect rats, rabbits, and a dog were unsuccessful: South Africa

Localization
Bartoli, P., 1973, Bull. Mus. Nat. Hist. Nat., Paris, 3.s. (117), Zool. (91), 319-334
Gymnophallus fossarum in Cardium glaucum, penetration of cercariae and migration, microbiotopes occupied by metacercariae, variation in numbers of metacercariae in the 2 microbiotopes in relation to host size, relation between microbiotope occupied by metacercariae and certain anomalies of host test

Localization
Bartoli, P., 1973, Bull. Mus. Nat. Hist. Nat., Paris, 3.s. (117), Zool. (91), 335-349
Gymnophallus fossarum in Tapes decussatus (nat. and exper.)(espace extrapalleal peripherique, espace extrapalleal sous-articulaire), relative importance of 2 microbiotopes, host reactions (encapsulation, tissue degradation), changes in metacercariae, heterogeneity of distribution within microbiotope extrapalleal peripherique, variation in numbers of metacercariae in the 2 microbiotopes in relation to host size, comparison with Cardium glaucum: lagune de Beauduc

Localization
Beckett, E. B., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 353-357
Brugia pahangi, B. malayi, pattern of flight muscle damage in relation to distribution of developing filarial larvae in Aedes aegypti and Mansonia uniformis

Localization
Belino, E. D., 1975, Internat. J. Zoonoses, v. 2 (2), 92-99
Taenia saginata, localization sites of cysticerci in slaughtered cattle: Nigeria

Localization
Bhat, H. R., 1977, Indian J. Animal Sc., v. 44 (10), 1974, 750-755
Haemaphysalis spinigera, cattle, seasonal distribution, infestation sites: Kyasanur forest disease area, Shimoga district, Karnataka

Localization
Bhopale, M. K.; and Johri, G. N., 1975, J. Helminth., v. 49 (3), 179-185
Ancylostoma caninum larvae, migration and distribution in various organs and muscles of mice after oral infection with various doses

Localization
Blair, D., 1976, J. Helminth., v. 50 (2), 125-132
Apatemon gracilis, life cycle completed in laboratory, cercaria redescribed, development of metacercariae in various fishes (host and location specificity, exper. infections not realized in some fish species which were naturally infected), excystation of metacercaria

Localization
Boonpucknavig, S.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 410-415
Plasmodium berghei berghei, chronological development in tissue of infected mice described by means of immunofluorescent and histological study, change in morphological appearance of immunofluorescent-stained parasites from early to late stage of infection

Localization
Borroni, I.; and Grimaldi, E., 1974, Riv. Parassitol., v. 35 (4), 261-276
Diphyllobothrium latum, ecology of plerocercoid infection in fish, incidence and intensity, interplay of various factors (host species, host size (age), mechanism of infection (eating copepods vs. eating other fish), parasite size, muscular vs. visceral localization, site on lake in relation to human concentration): Lago Maggiore

Localization
Bosworth, W.; and Chernin, E., 1976, J. Parasitol., v. 62 (4), 654-655
Brugia pahangi, high susceptibility of orally exposed neonatal jirds, survival of larvae within stomach and intestinal tract and subsequent migration to other parts of body

Localization
Bourrel, P.; et al., 1972, Medecine Trop., v. 32 (2), 169-174
Dracunculus medinensis, localized in human scrotum, diagnosis and clinical management, surgical treatment

Localization
Bourrel, P.; and Delatte, P., 1972, Medecine Trop., v. 32 (3), 291-294
calcified filaria of Dracunculus medinensis localized in boney areas and joints, differential diagnosis from osteo-arthritis, humans

Localization
Bowles, J.; et al., 1972, J. South African Vet. Ass., v. 43 (3), 299-300
Cysticercus cellulosae, visceral localization in pigs (surface of lungs and liver, liver parenchyma)

Localization
Bradley, D. J.; Poole, J.C.F.; and Lamb, R. M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 21-22 [Demonstration]
Leishmania donovani, mice, chronic visceral leishmaniasis, distribution of parasite in various organs, cellular specificity of infection in liver, some ultrastructural aspects of amastigotes

Localization
Brightman, A. H.; Helper, L. C.; and Todd, K. S., jr., 1977, Vet. Med. and Small Animal Clin., v. 72 (6), 1021-1023
Dirofilaria immitis, dog (anterior chamber of eye), surgical removal

Localization
Brockelman, C. R.; Chusatayanond, W.; and Baidikul, V., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (1), 30-37
Angiostrongylus cantonensis, development and localization within the vector snail Achatina fulica

Localization
Buengener, W.; and Mehlitz, D., 1977, Tropenmed. u. Parasitol., v. 28 (1), 8-10
Trypanosoma vivax strain EATRO 1695, extravascular localizations discovered in cattle (exper.) (marginal sinus of lymph node, interstitial tissue of heart)

Localization
Buick, T. D.; Campbell, R. S. F.; and Hutchinson, G. W., 1977, Austral. Vet. J., v. 53 (12), 602-603 [Letter]
Ancylostoma caninum, dog (cervical spinal cord), first case in which partial maturity of the nematode was achieved with intense involvement of central nervous system: Queensland

Localization
Bwangamoi, O., 1973, Bull. Epizoot. Dis. Africa, v. 21 (4), 363-370
Ancylostomum caninum, Spirocerca lupi, Toxocaris canis, aberrant habitation in dogs: Uganda

Localization
Cabrera, B. D., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 55-62
Paragonimus westermani, assessment of metacercarial load and organ preference for lodgement of parasites in vector crustaceans (Parathelphusa grapsoides): province of Leyte, Philippines

Localization
Calamel, M.; Soule, C.; and Chevrier, L., 1975, Rec. Med. Vet., v. 151 (12), 777-781
Taenia ovis, sheep, experimental infections with various doses, localization of cysticerci, duration of infection longer with lower doses, persistence of antibodies, eosinophilia

Localization
Casto, S. D., 1975, J. Med. Entom., v. 12 (1), 23-27
Syringophiloidus minor, infestation rates in different age categories of Passer domesticus, infestation patterns of different feathers (primaries, primary coverts, secondaries, rectrices) in juvenal and nuptial plumage, selective advantage of infestation patterns and probable source of dispersants which colonize nuptial feathers during post-juvenal molt: Lubbock, Texas

Localization
Castro, J., 1974, Rev. Invest. Pecuarias, v. 3 (1), 91-92
Sarcocystis aucheniae, incidence in Lama glama (corazon, diafragma, esofago, pierna): Provincia de Puno

Localization
Chang, K. P.; and Dwyer, D. M., 1976, Science (4254), v. 193, 678-680
Leishmania donovani grown in hamster peritoneal macrophages in vitro, multiplication within host cell phagolysosomes, survival mechanism of this intracellular parasite apparently based upon resistance to macrophage lysosomal enzymic digestion

Localization
Cheever, A. W.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 702-716
Schistosoma mansoni, S. haematobium, statistics and statistical methods of quantitative parasitological autopsy survey; comparison of statistics of S. mansoni with those of previous survey in Brazil: Egypt

Localization
Christensen, H. A.; and Herrer, A., 1976, J. Med. Entom., v. 12 (4), 477-478
positive xenodiagnostic trials with Lutzomyia vespertilionis feeding on trypanosome-infected Saccopteryx bilineata and Peropteryx macrotis, trypanosome from S. bilineata tentatively identified as Trypanosoma leonidasdeanei, potential of sand fly as vector, localization of parasite in alimentary tract: Panama

Localization
Clarke, P. L., 1977, Parasitology., v. 75 (2), iii [Abstract]
Eimeria tenella, distribution in caecum of domestic chicks

Localization
Coman, B. J.; and Rickard, M. D., 1975, Ztschr. Parasitenk., v. 47 (4), 237-248
Taenia spp., dogs, location in intestine, size, fecundity, egg hatching within intestine; infectivity of T. pisiformis eggs to rabbits (effects of canine intestinal secretions, intestinal passage and storage in feces); repeated T. ovis egg infection of puppies having no effect on subsequent cysticercus infection

Localization
Courtin, S.; Ferriere, G.; and Cerda, J., 1975, Bol. Chileno Parasitol., v. 30 (3-4), 65-67
Fasciola hepatica, Oryctolagus cuniculus as possible reservoir host for livestock infections, survey for infection prevalence and localization in host liver: Malleco Province, Chile

Localization
Cover, B.; Gutteridge, W. E.; and Wharton, F. P., 1977, Parasitology, v. 75 (2), xxx-xxxi [Abstract]
Trypanosoma cruzi, course of infection and distribution in irradiated rats

Localization
Croll, N. A., 1976, Internat. J. Parasitol., v. 6 (5), 441-448
Nippostrongylus brasiliensis, dispersion in rat intestine related to host feeding and diet

Localization
Croll, N. A., 1977, Parasitology, v. 75 (2), iii [Abstract]
Nippostrongylus brasiliensis, dispersion in rat intestine, effect of several manipulations (diet and surgical)

Localization
Croll, N. A.; and Ma, K., 1977, Internat. J. Parasitol., v. 7 (1), 21-26
Nippostrongylus brasiliensis, localization in rats, influence of surgical manipulation of intestine and mesenteric blood supply on dispersion

Localization
Croll, N. A.; and Smith, J. M., 1977, Internat. J. Parasitol., v. 7 (3), 195-200
Nippostrongylus brasiliensis in fed vs. fasted rats, 10 vs. 15 day old infections, activity rates, postures, and temporal movement patterns observed in vivo, differences correlated with feeding regime of host and could thus lead to habitat selection

Localization
Crompton, D. W. T.; and Nesheim, M. C., 1976, Advances Parasitol., v. 14, 95-194
host-parasite relationships in alimentary tract of domestic birds, extensive review: nutrition of domestic birds; alimentary tract as habitat for parasites; alimentary tract of germ-free birds; parasite distribution within alimentary tract; relationships between parasites and host digestive physiology and nutrition

Localization
Cruz e Silva, J. A.; Costa Durao, J. F.; and Rodrigues, H. S., 1976, Rev. Portug. Cien. Vet. (438), v. 71, 117-122
Echinococcus granulosus, sheep, localized in mediastinal caudal lymphonodus, pathology

Localization
Davidson, W. R.; and Calpin, J. P., 1976, J. Wildlife Dis., v. 12 (1), 72-76
Hepatozoon griseisciuri, location and pathogenicity of schizogonic stages, age and sex of host (gray squirrel), seasonal distribution, pathology: southeastern United States

Localization
Davis, M. J.; et al., 1976, Neurology, v. 26 (1), 37-40
Trichinella spiralis in man, severe muscle involvement (4,046 larvae per gram of muscle), clinical case report, history of frequent consumption of pickled pigs' feet, recovery after thiabendazole given concomitantly with prednisone: New York City

Localization
Desowitz, R. S.; Barnwell, J. W., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 475-476
Plasmodium berghei very young forms, deep vascular sequestration in heart and kidney of white rat equal to or greater than that in bone marrow, lung, liver, and spleen; hitherto unrecorded site of schizont concentration in lung

Localization
Dickinson, A.B.; and Threlfall, W., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 111-116
helminths of Fundulus heteroclitus, seasonal variations, preferred site of attachment, host size and sex: Newfoundland

Localization
Doube, B. M.; Kemp, D. H.; and Bird, P. E., 1977, Austral. Vet. J., v. 54 (1), 39-43
Ixodes holocyclus, calves, paralysis, pathogenicity, field collected and laboratory reared ticks, little difference between ticks from different geographic localities; site of attachment had no influence on tick toxicity

Localization
Dubey, J. P., 1977, J. Parasitol., v. 63 (1), 156-157
Toxoplasma gondii, persistence in intestine and other tissues of cats inoculated 143 to 473 days previously, implications for initiation of relapse

Localization
Dubey, J. P.; and Streitel, R. H., 1976, J. Parasitol., v. 62 (4), 548-551
Hammondia hammondi, life cycle and transmission: tachyzoites are noninfectious to cats, infectivity being associated with cysts formed by the 10th day of mouse infection; more cysts found in mouse muscle than in brain, less frequent occurrence in spleen, liver, lungs, lymph nodes; absence of congenital transmission in mice; oocysts noninfectious to chickens

Localization
Duke, B. O. L.; Moore, P. J.; and Vincelette, J., 1975, Tropenmed. und Parasitol., v. 26 (4), 449-468
Onchocerca volvulus in humans, factors influencing passage of microfilariae into urine (extra fluid intake, pyrexial episodes, dosage with diethylcarbamazine, host activity), probably from reservoir in kidney glomerular capillaries, implications for epidemiologic surveys

Localization
Durette-Desset, M. C.; Chabaud, A. G.; and Cassone, J., 1977, Bull. Mus. National Hist. Nat., Paris, 3. s. (428), Zool. (298), 133-158
Trichostrongyloidea, frequency and distribution in host gut, didelphic forms more abundant than monodelphic ones

Localization
Dvorak, J. A.; and Howe, C. L., 1976, J. Protozool., v. 23 (4), 534-537
Trypanosoma cruzi trypomastigotes, video technic that permits quantification of degree of attraction to vertebrate cells in vitro, comparative studies of attraction of myotropic parasite strain to vertebrate cells from diverse sources

Localization
Ebert, D. J.; and Norris, D. E., 1976, J. Mississippi Acad. Sc., Suppl., v. 21, 70 [Abstract]
Thynnascaris (type MB of Norris and Overstreet, 1976) larvae in Trichiurus lepturus (mesentery), migration and localization in white mice (exper.)

Localization
ElBihari, S.; and Hussein, H. S., 1975, J. Parasitol., v. 61 (4), 656
Onchocerca armillata, location of microfilariae in rat (exper.) and cow, found in skin not blood

Localization
Esch, G. W.; et al., 1976, Tr. Am. Fish. Soc., v. 105 (3), 486-490
Pomphorhynchus bulbocolli, Leptorhynchoides thecatus, helminth recruitment, bluegills, modified live-box technique, tethered and untethered fish compared, parasite spatial distribution

Localization
Evans, N. A., 1977, J. Helminthol., v. 51 (3), 197-203
Asymphylodora kubanicum, Sphaerostoma bramae, site preferences in intestine of Rutilus rutilus in single and concurrent infections, possible explanations

Localization
Ewert, A.; and Bosworth, W., 1975, J. Parasitol., v. 61 (4), 610-614
Brugia malayi, distribution and development in cats reinfected in 1 of 3 ways (on previously infected hind limb only, on contralateral infected limb only, or on both hind limbs simultaneously)

Localization
Fajardo, L. F., 1973, Nature (5405), v. 243, 298-299
Plasmodium falciparum, P. vivax, human, ultrastructural changes in blood platelets; P. berghei, mice (exper.), presence of parasites in platelets

Localization
Fan, P. C.; and Pao, K. Y., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 562-563 [Demonstration]
Schistosoma mansoni, encapsulated eggs containing miracidium removed from peritoneal cavity of mice after experimental intraperitoneal and percutaneous infections

Localization
Fang, W. S.; and Lin, J. H., 1975, Taiwan J. Vet. Med. and Animal Husb. (27), 12-18
Clonorchis sinensis, intermediate fish hosts, localization of cysts, seasonal variation: Sun Moon Lake area, Taiwan

Localization
Ferguson, D. J. P.; Hutchison, W. M.; and Siim, J. C., 1976, Acta Path. et Microbiol. Scand., v. 84B (4), 189-195
effect of endo-enteric development of Toxoplasma gondii on the ultrastructure of epithelial cells of the small intestine of infected cats

Localization
Fine, P.E.M., 1975, J. Helminth., v. 49 (4), 229-243
Heterakis gallinarum in chickens with concomitant Parahistomonas wenrichi infections, worm fertility (egg production), worm mortality, inter-caecal distribution and migration tendencies of worms with reference to probability of pairing of males and females

Localization
Fosella, P. V.; et al., 1974, Atti Soc. Ital. Sc. Vet., v. 28, 858-862
Toxocara canis, infected white mice, electrocardiographic changes related to microascaridic pneumonia and localization of larva in myocardium, verified histologically

Localization
Fossati, C., 1974, Rev. Iber. Parasitol., v. 34 (3-4), 323-330
Entamoeba histolytica, case history of human pulmonary ameboma, radiological aspects, successful treatment with Ambilhar; review on localization and diffusion of E. histolytica

Localization
Fremount, H. N.; and Miller, L. H., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 1-8
organ distribution and ultrastructure of Plasmodium fragile-infected erythrocytes adherent to vascular endothelium

Localization
Gardiner, C. H., 1976, J. Parasitol., v. 62 (6), 865-870
Trichinella spiralis in mice, exact niche of adult worms during intestinal phase (epithelial layer of mucosa of small intestine, at base of villi and in glandular crypts), reproductive behavior of intestinal worms

Localization
Gattaponi, P., 1972, Parassitologia, v. 14 (2-3), 311-316
Thelohanella pyriformis, infection of tench, Tinca tinca, vegetative stages most commonly on gills, description on gills, acid mucopolysaccharides in polar cyst walls, no appreciable damage, seasonal distribution irregular, limnological data not correlated with variation in localization and dimensions: Lake Trasimeno

Localization
Gilbert, F. F., 1973, J. Wildlife Dis., v. 9 (2), 136-143
Parelaphostrongylus tenuis, prevalence in Odocoileus virginianus males vs. females, fawns vs. adult deer, areas of high vs. low deer density, localization within cranial cavity, implications for transmission: Maine

Localization
Gonzalez, M. A., 1977, Gac. Vet., Buenos Aires (322), v. 39, 389-393
Oestrus ovis, sheep, symptoms of myiasis, localization of lesions, total numbers and size distribution of larvae collected, seasonal distribution, host age: packing houses, prov. Corrientes, dept. Mercedes, Argentina

Localization
Graber, M.; and Turpin, M., 1976, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 29 (1), 23-30
Agriostomum vryburgi, description, localization, pathological effects
N'Dama cattle (colon): imported from Senegal, reared in Louila Ranch (Popular Congo Republic)

Localization
Grainger, R. C., 1977, Parasitology, v. 75 (2), viii [Abstract]
Cryptocotyle lingua, distribution of metacercariae on dorsal surfaces of fishes correlated with cercarial behavior

Localization
Grimes, L. R.; and Miller, G. C., 1976, J. Parasitol., v. 62 (3), 434-441
Monobothrium ulmeri, Biacetabulum meridianum, and Penarchigetes sp. in Erimyzon oblongus, seasonal periodicity or lack of, mean intensities in male and female hosts, distribution and methods of attachment in host: Lake Raleigh, North Carolina

Localization
Halvorsen, O.; and Macdonald, S., 1972, Norwegian J. Zool., v. 20 (4), 265-272
Cyathocephalus truncatus, Crepidostomum metoecus, and C. farionis from Salmo trutta, distribution and site selection in alimentary canal for single species and multispecies infections, seasonal variation: Lake Melingen and Lake Nedre Fiplingvatn, Norway

Localization
Hanson, W. L.; and Roberson, E. L., 1974, J. Protozool., v. 21 (4), 512-517
Trypanosoma cruzi, quantitation of density of tissue stages (predominantly amastigotes) in various organs during course of acute Chagas disease, generally close correlation with numbers of trypomastigotes in blood, mice

Localization
Hernandez-Jauregui, P. A.; Marquez-Monter, H.; and Sastre-Ortiz, S., 1973, Am. J. Vet. Research, v. 34 (3), 451-453
Taenia solium cysticerci, hogs, incidence, localization in brain, correlation with severity of muscular cysticercosis, histopathological changes, complications of circulation of cerebrospinal fluid usually seen in man were not observed

Localization
Hernandez-Rodriguez, S.; et al., 1975, Rev. Iber. Parasitol., v. 35 (3-4), 367-371
Cyathostoma bronchialis, lesions and localization in Anser anser (traquea y bronquios): Parque Zoologico "Juan Barasona" de Cordoba, Espana

Localization
Hindsbo, O., 1973, Norwegian J. Zool., v. 21 (4), 328 [Abstract]
anterior migration of Nippostrongylus brasiliensis in small intestine of rats during primary and secondary infections correlated to self-cure; experiments with prednisolone-treated rats showed that anterior migration is independent of worm expulsion

Localization
Hinson, G.; et al., 1976, Tr. Illinois State Acad. Sc., v. 69 (2), 176-187
Crassiphiala bulboglossa in fishes, intensity of infection varied according to downstream locations, species of hosts, body location, and age of host: Embarras River, Champaign Co., Illinois

Localization
Hinz, E., 1973, Munchen. Med. Wchnschr., v. 115 (20), 922-923
Echinococcus granulosus in humans, evaluation of 13,836 cases for body location of cysts and comparison by geographic locality

Localization
Ho, B.-C.; et al., 1976, Internat. J. Parasitol., v. 6 (2), 113-116
Breinlia booliati, transmission to different strains of laboratory rats by various routes of inoculation, female rats more susceptible to infection than males, localization of adult worms in thoracic and abdominal cavities

Localization
Holdstock, R. P., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 9 [Demonstration]
Dipetalonema viteae, Mastomys natalensis a successful exper. host with patent infections established in mature males and immature males and females, periodicity, parasite localization, peripheral microfilaremia in relation to presence of female worms

Localization
Hughes, W. L.; and Harley, J.P., 1977, Exper. Parasitol., v. 42 (2), 363-373
Trichinella spiralis, first-stage migratory larvae, taxes, response to chemicals associated with energy source for muscular contraction, response to electrical stimuli associated with membrane potentials and to KCl gradient

Localization
Hussein, H. S., 1976, Ztschr. Parasitenk., v. 50 (2), 103-108
Babesia hylomysci, mice, ^{59}Fe labelling of hemoglobin demonstrating parasite's preference for mature erythrocytes, direct destruction of erythrocytes as main cause of anemia and autoimmune reaction as probable factor

Localization
Iwamoto, I., 1972, Nettai Igaku (Trop. Med.), v. 14 (3), 124-137
Dirofilaria immitis, Wuchereria bancrofti, in vitro survival in various media, effects of temperature; D. immitis survival in dogs (exper.), periodicity, migration and localization

Localization
Jakobiec, F. A.; Gess, L.; and Zimmerman, L. E., 1977, Arch. Ophth., Chicago, v. 95 (2), 278-280
Schistosoma haematobium causing granulomatous dacryoadenitis in youth, localization at site of earlier trauma, possible immunologic implications, niridazole therapy: Sierra Leone

Localization
James, C.; and Webbe, G., 1975, J. Helminth., v. 49 (3), 191-197
Schistosoma haematobium in hamsters, comparison of South African and Sudanese strains: host mortality, recovery of adult worms, growth of worms, uterine egg counts, distribution of eggs in hamster tissues

Localization
Jenkins, D. C., 1977, Exper. Parasitol., v. 41 (2), 335-340
Nematospiroides dubius, course of primary and challenge infections in male and female Meriones unguiculatus, rate of establishment, morphology, sex ratio and distribution within host intestine, expulsion in primary infections, resistance to challenge infections, lactating jirds with depressed immunocompetence were significantly more susceptible to reinfection than nulliparous jirds of same age

Localization
Jewsbury, J. M.; Homewood, C. A.; and Gibson, J., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 365-366
Schistosoma mansoni, mice, worm distribution following treatment with hycanthone or oxamniquine, no evidence of liver shift of any magnitude until approx. 3 days after treatment

Localization
Johnson, P. T., 1977, J. Invert. Pathol., v. 29 (3), 308-320
Paramoeba perniciosa in Callinectes sapidus, seasonal and geographic distribution, symptoms and diagnosis, tissue location, morphology, and replication, pathology, host defense reactions, laboratory transmission: Chincoteague Bay, Virginia; Long Island Sound, Connecticut; Sandy Hook Bay, New Jersey

Localization
de Jong, N., 1976, Netherlands J. Zool., v. 26 (2), 306-318
intestinal helminths of Anas platyrhynchos, survey, influence of host migration on parasite prevalence, exact site in intestine: the Naardermeer, The Netherlands

Localization
Juranek, D. D.; Forbes, L. S.; and Keller, U., 1976, Am. J. Vet. Research, v. 37 (7), 785-789
Taenia saginata cysticerci in beef cattle, heart and masticatory muscles most heavily and most frequently infected, recommendations for increased efficiency in meat inspection by increasing inspection cuts in these sites and omitting in others; routine inspection single-cyst carcasses found to harbor other cysts upon complete dissection, justifies recent changes in inspection procedures

Localization
Kabata, Z.; and Cousens, B., 1977, J. Fish. Research Bd. Canada, v. 34 (2), 191-202
Salmincola californiensis, sites of larval attachment on fry and juvenile Oncorhynchus nerka, pathology; first report of "burrowing phenomenon"

Localization
Kale, O. O., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 208-214
Dracunculus medinensis, clinico-epidemiologic survey of guinea worm infection in native population, economic and occupational importance, possible control measures by provision of wholesome water supplies: Ibadan district, Nigeria

Localization
Katsube, Y.; et al., 1975, Japan. J. Vet. Sc., Tokyo, v. 37 (3), 245-252
Toxoplasma, latent infection in swine grouped according to presence or absence of gross lesions of lymph nodes and liver, comparison of site of localization and virulence of isolated strains for mice

Localization
Kemp, D. H.; et al., 1976, Parasitology, v. 73 (1), 123-136
Boophilus microplus on British breed cattle with different resistance levels, growth and attachment behaviour of larvae, desiccation of larvae in environment of host skin, movement to and accumulation in favored sites

Localization
Kennedy, C. R.; Broughton, P. F.; and Hine, P. M., 1976, Parasitology, v. 72 (2), 195-206
Pomphorhynchus laevis, distribution along alimentary tract of 7 fish species, factors affecting site preference

Localization
Kennedy, M. W., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 285 [Demonstration]
Trichinella spiralis in NIH mice, kinetics of establishment and rejection of enteral phase of primary infection

Localization
Killick-Kendrick, R.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 381 [Demonstration]
Leishmania braziliensis braziliensis promastigotes, localization in gut wall of Psychodopygus wellcomei vector flies in Serra dos Carajas, North Brazil

Localization
Kiurtov, N., 1975, Vet. Med. Nauk., v. 12 (8), 60-66
coccidia, incidence, localization and pathogenicity in calves: Veliko Turnovo Okrug, Bulgaria

Localization
Knight, S. A.; Janovy, J., jr.; and Current, W. L., 1977, J. Parasitol., v. 63 (5), 897-902
Myxosoma funduli on Fundulus kansae (gills), summer epizootiology: parasite population overdispersed within host population, demographic characteristics of infected fish subpopulation virtually identical to those of whole fish population, distribution on individual gill bars, proportion of unilateral vs. bilateral infections, pre-existing infection does not preclude new infection: South Platte River, Nebraska

Localization
Kozakiewicz, B., 1975, Med. Wet., v. 31 (9), 526-530
Echinococcus granulosus, swine, incidence in slaughter houses and individual farms, fertility of cysts in relation to size, highest incidence in liver: Poland

Localization
Kozel, T. R., 1976, Tr. Kentucky Acad. Sc., v. 37 (1-2), 41-44
Ichthyophthirius multifiliis, distribution on body of Fundulus notatus, younger fish more heavily infested than older ones, host behavioral changes: area surrounding confluence of Pope Lick Creek and Floyds Fork Creek, near Pope Lick Road bridge, southeastern Jefferson County, Kentucky

Localization
Lambert, A.; and Maillard, C., [1976], Ann. Parasitol., v. 50 (6), 1975, 691-699
Diplectanum aequans, D. laubieri, simultaneous parasites on Dicentrarchus labrax (gills), preferential microbiotopes for each species: mer ou dans les etangs cotiers du littoral languedocien

Localization
Lancastre, F.; Nassi, H.; and Poirot, J.-L., 1976, Ann. Parasitol., v. 51 (3), 349-353
Schistosoma mansoni, massive presence of adults and eggs in lungs of Rattus norvegicus: Guadeloupe

Localization
Lawrence, J. A., 1977, Vet. Parasitol., v. 3 (4), 305-315
Schistosoma mattheei in Friesian steers (exper.), distribution of parasites and their eggs and changes in distribution which occur as infection progresses

Localization
Leaney, A. J., 1977, Parasitology, v. 75 (2), xxviii-xxix [Abstract]
Leishmania mexicana amazonensis in Lutzomyia longipalpis (exper.) maintained at 3 different temperatures (22, 24, and 28 °C.), distribution of parasites and degree of infection at 24h intervals from 2 to 8 days after infective feed compared, appears that small changes in temperature may have marked effect on development and behavior of Leishmania in sandflies and therefore on transmission

Localization
Lee, K. T.; Little, M. D.; and Beaver, P. C., 1975, J. Parasitol., v. 61 (4), 589-598
Ancylostoma caninum larvae, persistence and intracellular (muscle-fiber) habitat in vertebrate paratenic hosts and nature of host responses studied in mouse, cat, and rhesus monkey (all exper.); larvae also recovered by tissue digestion from muscles of naturally infected dogs

Localization
Lee, K.-T.; Min, H.-K.; and Soh, C.-T., 1976, J. Parasitol., v. 62 (3), 460-465
Toxocara canis, migration and distribution in nonpregnant mice and mice infected at various intervals before and after pregnancy, results suggest that transplacental migration is influenced by developmental stages of placenta

Localization
Lepp, D. L.; and Todd, K. S., jr., 1974, J. Protozool., v. 21 (2), 199-206
Isospora canis in dogs (exper.), description, endogenous cycle, localization in small intestine; failure to reinfect previously infected dogs

Localization
Lewis, J. W.; and Bryant, V., 1976, J. Helminth., v. 50 (3), 163-171
Nematospiroides dubius, distribution within small intestine of mice up to 60 days post-infection, relation of establishment and pattern of distribution to host age and sex, degree of aggregation of worm populations with respect to host intestine and to each other

Localization
Lindemann, B. A., 1977, Mosquito News, v. 37 (2), 293-295
Dirofilaria immitis encapsulation in Aedes aegypti, relationship to larval type and location in mosquitoes

Localization
Londono M., I., 1976, J. Parasitol., v. 62 (4), 589-595
Dipetalonema viteae larvae, distribution and migration in Ornithodoros tartakowskyi, as cause of injury to and disorganization of tick muscle fibers, failure of some ticks to feed after biting may protect from fatal hyperinfection

Localization
Long, P. L.; and Millard, B. J., 1976, Parasitology, v. 73 (3), 327-336
Eimeria praecox, E. maxima, E. acervulina, site finding and site specificity in chickens

Localization
Losos, G. J.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 278 [Abstract]
Trypanosoma cruzi, Zebu cattle (exper.), appears to be strict plasma parasite which localizes in microcirculation of certain tissues, clinical aspects

Localization
Lubieniecki, B., 1976, J. Fish Biol., v. 8 (6), 431-439
Grillotia erinaceus plerocercoids, haddock, cod, saithe, incidence and intensity increased with host age, no host sex difference in incidence, proportions of parasite maturity stages consistent between haddock length groups, distribution in gut of hosts, speculation on life cycle, Ouchterlony gel diffusion test (precipitin bands failed to develop)

Localization
McConnell, E. E.; et al., 1972, Onderstepoort J. Vet. Research, v. 39 (2), 113-115
Isospora papionis, numerous oocysts found in skeletal muscles of Papio ursinus, possible importance of this localization in regard to parasite life cycle: Kruger National Park, Republic of South Africa

Localization
McCully, R. M.; et al., 1975, Onderstepoort J. Vet. Research, v. 42 (4), 117-133
Hepatozoon sp. in wild carnivores and H. canis in dogs compared, location in host, developmental stages, lesions, pathogenesis; attempt to transmit Hepatozoon from jackal to dogs by means of Rhipicephalus sanguineus was inconclusive: South Africa

Localization
MacLeod, J.; et al., 1977, Bull. Entom. Research, v. 67 (1), 161-173
seasonal activity and attachment sites of ticks on cattle, infestation patterns on other domestic and wild animals: Central Province of Zambia

Localization
MacLeod, J.; and Colbo, M. H., 1976, Bull. Entom. Research, v. 66 (1), 65-74
role of cattle in maintaining immature stages of Amblyomma variegatum and Rhipicephalus appendiculatus, relationship of larva-nymph ratios to seasonal periodicity and body localization: Zambia

Localization
Mak, J. W.; and Sivanandam, S., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (1), 21-29
Brugia malayi, experimental infections in cats to determine whether human ocular lesions are due to site of entry of infective larvae, patent infections produced via ocular instillation, and subconjunctival and subcutaneous inoculation of infective larvae, results show that ocular lesions could be result of site of bite by vector mosquito and thus entry site of infective larvae

Localization
Marx, D. J., 1973, J. Protozool., v. 20 (4), 519
Histomonas meleagridis found in bursa of Fabricius of experimentally infected turkey

Localization
Mayaudon T., H.; and Hoepp, A., 1972, Rev. Med. Vet. y Parasitol., Maracay, v. 24 (1-8), 1971-1972, 57-60
Spirocerca lupi, atypical localization, causing rectal prolapse
Canis familiaris (rectum)

Localization
Metge, P.; et al., 1974, Medecine Trop., v. 34 (5), 625-632
human ocular onchocerciasis, localization in paracentral temporal area characteristic of chorioretinal involvement and probable point of microfilarial penetration, diagnosis by angiofluorography

Localization
Michael, E., 1976, Ztschr. Parasitenk., v. 49 (1), 33-40
Eimeria acervulina, sporozoites within chicken intestinal epithelium macrophages 5-6 days post infection, ultrastructure, macrophage structural changes, possible mechanisms of sporozoites survival and transport to development site

Localization
Minchew, C. D., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 106
2 immature Metamicrocotyla macracantha coiled around gill filament of Mugil cephalus: Mississippi Gulf Coast, near Ocean Springs, Mississippi

Localization
Mitchell, J. R., 1973, Bull. Epizoot. Dis. Africa, v. 21 (2), 133-143
Cysticercus bovis, cattle, incidence, localization: Africa

Localization
Moncol, D. J., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 86-92
Strongyloides ransomi, biology and morphology of transcolostral phase in pigs

Localization
Moqbel, R.; and Denham, D. A., 1977, J. Helminthol., v. 51 (4), 301-308
Strongyloides ratti, primary and secondary infections in small intestine of rats: course of infections; changes in size of worms; distribution and migration of adult worms in intestine

Localization
Moser, M., 1977, Internat. J. Parasitol., v. 7 (5), 389-391
myxosporidan spores, size determined by parasite's development in host tissues vs. organ cavities, shape determined by presence of physiologically and behaviorally suitable host fish, constancy of spore size and shape a result of little selective pressure to change

Localization
Motomura, I.; and Jo, K., 1970, Nettai Igaku (Trop. Med.), v. 12 (2), 41-50
Toxoplasma gondii, cyst distribution and development within brain of infected mice, statistics of numbers of toxoplasmas within a single brain cyst

Localization
Muzzall, P. M.; and Rabalais, F. C., 1975, Proc. Helminth. Soc. Washington, v. 42 (1), 35-38
Acanthocephalus jacksoni cystacanths, sex, position, and orientation in Lirceus lineatus, host pigmentation, sex, size, and gut content, possible sterility in host females; precocious development and marked sexual dimorphism in cystacanths: Jackson Cutoff

Localization
Nayar, J. K.; and Sauerman, D. M., jr., 1975, J. Insect Physiol., v. 21 (12), 1965-1975
Dirofilaria immitis, susceptibility of various species of mosquitoes, patterns of microfilarial development, sites of blockage or prevention of infection, possible physiological factors (substances in salivary gland secretion, melanization of microfilariae)

Localization
Neira, M.; et al., 1968, Bol. Chileno Parasitol., v. 23 (1-2), 65-67
echinococcosis in children, symptoms, pathology, and cyst localization, analysis of 144 cases: Chile

Localization
Nelson, G. S.; and Davies, J. B., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 16-17 [Demonstration]
Mansonella ozzardi, humans, epidemiologic survey, concentration of microfilariae in superficial capillaries, mixed infections with Wuchereria bancrofti differentiated using stained filters: Trinidad

Localization
Nizami, W. A.; Siddiqi, A. H.; and Yusufi, A. N. K., 1975, J. Helminth., v. 49 (4), 281-287
comparison of alkaline phosphatase systems in 8 species of digenetic trematodes from different hosts and/or habitats, enzyme activity, pH and temperature optima, effect of chemicals

Localization
Norval, R. A. I., 1975, J. Parasitol., v. 61 (4), 730-736
Haemaphysalis silacea, ecology: habitat preferences, distribution in relation to microclimatic conditions, seasonal activity, seasonal occurrence on hosts, sex ratio of ticks, host/tick interactions as result of host daily movements and feeding habits, site of attachment: Paardekraal Farm, Kowie River Valley, 15 km SE of Grahamstown, Eastern Cape Province, South Africa

Localization
Ogbourne, C. P., 1976, J. Helminth., v. 50 (3), 203-214
Cyathostominae in horses (large intestine), prevalence, relative abundance, site distribution, seasonal variation, epidemiological implications: south-west England

Localization
Olson, L. J., 1976, Internat. J. Parasitol., v. 6 (3), 247-251
Toxocara canis larvae in mouse eye, distribution within various eye tissues and effect of previous infection on numbers and distribution, onset and development of hemorrhagic and white cell lesions in anterior eye following challenge of immunized and control mice

Localization
Onuigbo, W. I. B., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 708-709
Onchocerca volvulus, statistical survey of biopsied nodules in the Igbos of Nigeria

Localization
Otieno, L. H., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 886-887 [Letter]
Trypanosoma brucei in haemolymph of young Glossina morsitans (exper.)

Localization
Overstreet, R. M., 1977, J. Parasitol., v. 63 (5), 780-789
Poecilancistrium caryophyllum in Cynoscion nebulosus, seasonal incidence and intensity, relation of infections to salinity and temperature of water, host length and host sex, common infection sites, effect of plerocercoids on host, possible immune response: Gulf of Mexico

Localization
Panitz, E., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 257-259
adult Trichinella spiralis, distribution in intestine of Meriones unguiculatus, immunosuppressive effect of betamethasone

Localization
Pappaioanou, M.; Schwabe, C. W.; and Sard, D. M., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 732-742
Echinococcus granulosus, past history and evolving pattern of human hydatid disease and transmission in the United States

Localization
Pesti, G. M.; and Combs, G. F., jr., 1976, Poultry Science, v. 55 (6), 2265-2274
Eimeria, site selectivity of various species for infection in particular regions of chick gastrointestinal tract used as tool to study loci of selenium absorption, potentiation of selenium deficiency by intestinal parasitism

Localization
Peterson, P. C., 1975, Misc. Publication Entom. Soc. Am., v. 9 (5), 237-242
feather mites of birds, host-parasite distribution by taxa, feather anatomy, mathematical analysis of barb width and location in relation to mite distribution, basis for further studies of host-parasite evolution

Localization
Petter, A.-J.; and Cassone, J., 1975, Ann. Parasitol., v. 50 (4), 469-475
Morerastrongylus andersoni, mode of entry (ingestion) and localization in Limnaea stagnalis and Planorbarius corneus

Localization
Picq, J. J.; and Roux, J., 1973, Medecine Trop., v. 33 (5), 451-461
Onchocerca volvulus, human, microfilaruria in relation to age and sex of host, other filarial diseases, geographic region, cutaneous microfilarial densities, albuminuria during suramin treatment, eggs of Schistosoma haematobium in urine, and diethylcarbamazine chemotherapy

Localization
Plasota, K., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 47-60
helminths of frogs, comparison of aquatic and terrestrial hosts, relation of parasite fauna to environment, food supplies and food habits, host life cycle, temperature, rainfall, season, age and sex of host, competition between species of parasite, localization within host: Kampinos National Park, Poland

Localization
Pradhan, S.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 199-200
Wuchereria bancrofti, human, microfilariae detected in bone marrow smears in seven cases of anemia (probably incidental and unrelated) in persons with asymptomatic filariasis

Localization
Quintero M., M. T. C., 1977, Veterinaria, Mexico, v. 8 (2), 42-45
Demodex phylloides, frequency and anatomical distribution in skin of pigs: slaughter house at Ciudad Netzahualcoyotl, State of Mexico

Localization
Rajagopalan, P. K.; Kazmi, S. J.; and Mani, T. R., 1977, Indian J. Med. Research, v. 66 (2), 200-215
Wuchereria bancrofti, statistical epidemiologic survey on microfilaremia (seasonal fluctuation of infection in Culex pipiens fatigans vectors, localization in vectors, human infection by age and sex, microfilarial periodicity, percentage of night biting, experimental laboratory infections): Pondicherry, India

Localization
Rajan, A.; and Mohiyuddeen, S., 1975, Kerala J. Vet. Sc., v. 5 (2), 139-142
spirocercosis, pathology, dogs (thoracic oesophagus, aorta, stomach, thymus, lung, bronchial and mediastinal lymphnodes): Bangalore city

Localization
Ramirez, R., 1976, Bol. Chileno Parasitol., v. 31 (1-2), 8-11
Echinococcus granulosus, statistical survey of human cases of echinococcosis registered from 1970-1974 in Chile

Localization
Ramirez, R., 1977, Bol. Chileno Parasitol., v. 32 (1-2), 16-20
echinococcosis, survey statistics of patients hospitalized 2 or more times, cyst localizations, surgical treatment: Chile

Localization
Rawson, M. V., jr., 1977, J. Fish Biol., v. 10 (5), 441-451
crustacean parasites of Mugil cephalus, prevalence and intensity of infection, seasonal abundance, distribution on yearlings indicates a high degree of habitat subdivision on gill arches: Sapelo Island, Georgia

Localization
Rohde, K., 1976, Ztschr. Parasitenk., v. 51 (1), 49-69
monogenetic trematodes and copepods on Scomberomorus commersoni gills, restricted microhabitats, probably increase intraspecific contact and thus assure mating

Localization
St. George, J., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 383-386
Dracunculus medinensis, retroplacental localization as cause of bleeding in pregnancy and possible cause of habitual abortion, 2 case reports: Nigeria

Localization
Sakurai, N.; Ihara, Y.; and Ogawa, I., 1974, Nishi Nippon Hinyokika (Nishinihon J. Urol.), v. 36 (4), 449-455
kidney cysts in man containing Paragonimus sp. ova, Metagonimus yokogawai ova in feces, clinical case report: Japan

Localization
Sauerlaender, R., 1976, Ztschr. Parasitenk., v. 49 (3), 263-280
Angiostrongylus vasorum, A. cantonensis, histopathology of experimentally infected Achatina fulica, localization within host at various times after infection, cellular defense mechanisms

Localization
Schnur, L. F., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 277-278 [Demonstration]
Leishmania braziliensis braziliensis (slow strain), L. mexicana amazonensis (fast strain), dissemination in hamsters

Localization
Schulz-Key, H., 1975, Tropenmed. u. Parasitol., v. 26 (3), 348-358
Filariidae spp., microfilariae infecting Cervus elaphus, morphological comparisons and localization patterns: southern Germany

Localization
Schulz-Key, H., 1975, Tropenmed. und Parasitol., v. 26 (4), 494-498
development and localization of Filariidae in Capreolus capreolus and Dama dama of Southern Germany

Localization
Schulz-Key, H.; Bain, O.; and Wenk, P., 1976, Tropenmed. u. Parasitol., v. 27 (2), 229-232
distribution pattern of Onchocerca garmsi microfilariae in the skin of Cervus elaphus and comparisons with distribution of adults and microfilariae of Onchocerca tubingensis, O. cervicalis, O. tarsicola and Wehrdikmansia rugosicauda: Suddeutschland

Localization
Shepherd, R. C. H.; and Edmonds, J. W., 1976, Austral. Wildlife Research, v. 3 (1), 29-44
Spilopsyllus cuniculi, establishment and spread after release on wild population of Oryctolagus cuniculus for possible control of rabbit population by myxoma virus, quicker spread when released during host breeding season, upon release myxoma-infected fleas did not become established, localization on hosts, 4 year period: Mallee region, Victoria

Localization
Shousmanov, Sh., 1974, Uzbek. Biol. Zhurnal (6), 67-68
Goniocotes chrysocephalus, comparative numbers on chickens in various seasons, distribution on abdomen, tarsus, back, tail and wing of host: Uzbekistan

Localization
Sobari, S.; et al., 1976, Austral. Vet. J., v. 52 (4), 197-198 [Letter]
Goddardobdella elegans, beef cows (udders), leeches localized in milk cistern, histological changes: near Ingham, north Queensland

Localization
Ssenyonga, G. S. Z., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 272 [Abstract]
Trypanosoma brucei and T. congolense in rodents, distribution in tissues and body fluids

Localization
Stannard, A. A.; and Cello, R. M., 1975, Am. J. Vet. Research, v. 36 (7), 1029-1031
Onchocerca cervicalis, horses, prevalence, more common in older animals, occurred in both sexes equally, distribution and concentration of microfilariae within skin, cutaneous pathologic changes, invasion of eye with microfilariae in 60% of cases

Localization
Sullivan, J. J.; and Chernin, E., 1975, J. Parasitol., v. 61 (3), 572-573
Brugia pahangi, proportion and location of developing larvae recovered from male Meriones unguiculatus killed 10 or 11 days after oral or subcutaneous infection, useful for rapid determination of infectivity

Localization
Svarc, R., 1977, Biologia, Bratislava, s. B, Zool. (3), v. 32 (8), 575-584
Cystocaulus ocreatus, penetration of first stage larvae into snails, localization, morphological changes during maturation, moulting

Localization
Svarc, R.; and Zmoray, I., 1974, Biologia, Bratislava, s. B, Zool. (1), v. 29 (2), 121-127
Muellerius tenuispiculatus larvae, penetration into and development in soles of feet of Cepaea vindobonensis and Succinea putris, localization near sole glands, acid mucopolysaccharides and phospholipids in this site probably have role in larval nutrition

Localization
Templeman, W.; Hodder, V. M.; and Fleming, A. M., 1976, J. Fish. Research Bd. Canada, v. 33 (4), part 1, 711-731
Lernaecera branchialis, seasonal distribution; localization of immature stages on lumpfish, adults on cod; adult infection rates on cod higher inshore than offshore, marker for host migrations; cod sexual maturity delayed by infection

Localization
Theakston, R. D. G.; and Fletcher, K. A., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 441-450
Plasmodium berghei, preference for young mature erythrocytes as opposed to more mature cells, dynamics of hemolysis, isotopic tracer techniques

Localization
Theis, J. H.; and Franti, C. E., 1971, J. Med. Entom., v. 8 (1), 23-28
Rhipicephalus sanguineus, dogs, survey, 1965-1966, lowered infestation rates due to dog eradication program, ecological data (distribution on host body, rainfall, temperature, humidity, seasonal distribution), analysis by multiple regression models: Singapore Island

Localization
Valentine, D. W.; and Phelps, R., 1977, Calif. Fish and Game, v. 63 (2), 129-132
Nerocila californica, localization on fish, fit to theoretical Poisson distribution

Localization
Vetterling, J. M., 1973, J. Protozool., v. 20 (4), 510
Eimeria tenella will not complete life cycle in close phylogenetic relatives of Gallus gallus even though it will do so in cell culture of these birds; 1 or 2 sporozoites were able to develop to macrogametes in Alectoris graeca but did not produce patent infection; E. tenella does not develop parenterally in its definitive host or close phylogenetic relatives

Localization
Vincent, A. L.; Frommes, S. P.; and Ash, L. R., 1976, Exper. Parasitol., v. 40 (3), 330-354
Brugia, 3 spp. in Meriones unguiculatus, pulmonary pathology, results suggest that localization in pulmonary arteries should not be considered an aberrant mode of development

Localization
Wandera, J. G., 1976, Vet. Rec., v. 99 (18), 348-351
Spirocerca lupi, dogs, incidence, pathological variations, oesophageal sarcomas, age of host, site of incidence, 11 year period: Kenya

Localization
Watson, T. G.; and Anderson, R. C., 1975, Canad. J. Zool., v. 53 (8), 1047-1054
louse populations on Odocoileus virginianus, seasonal changes, distribution on body: Long Point, Ontario

Localization
Watson, T. G.; and Anderson, R. C., 1976, J. Wildlife Dis., v. 12 (1), 66-71
Ixodes scapularis on Odocoileus virginianus, numbers and stages collected in different months, preferred sites on body: Long Point, Ontario

Localization
Whitaker, J. O., jr.; and Schlueter, R. A., 1975, Am. Midland Naturalist, v. 93 (2), 446-450
Lernaea cyprinacea, incidence at different seasons and on different-sized fish, fins and fin bases most frequently used regions for attachment: the White River at Petersburg, Indiana

Localization
Wilson, P. A. G., 1977, Parasitology, v. 75 (2), 233-239
Strongyloides ratti, rats (exper.), maternal worm burden when weaning is varied in relation to injection, effect of short-term stimulus (only 1 hr suckling) on maternal worm burden, working hypothesis to explain path-finding by migrating worms in lactating rats

Localization
van Wyk, J. A.; van Rensburg, L. J.; and Heitmann, L. P., 1976, Onderstepoort J. Vet. Research, v. 43 (2), 43-54
Schistosoma mattheei, Merino and Dorper sheep (exper.), influence of host age and breed on infestation (host susceptibility, cercarial penetration and development to adults, distribution of worms in host, worm sex ratio, egg excretion); variation in cercarial infectivity

Localization
Yusufi, A. N. K.; and Siddiqi, A. H., 1976, Internat. J. Parasitol., v. 6 (1), 5-8
comparison of lipid composition of 6 spp. of digenetic trematodes from different hosts and/or habitats

Locomotion. [See also Motility]

Locomotion
Becker, W.; and Lutz, W., 1976, Ztschr. Parasitenk., v. 50 (1), 99-101
Schistosoma mansoni cercaria, action of salt solutions of various ion composition on swimming activity

Locomotion
Bennett, C. E., 1975, J. Parasitol., v. 61 (5), 886-891
Fasciola hepatica, newly excysted juveniles, surface features, sensory structure, movement

Locomotion
Croll, N. A., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 31-52
larval nematodes, behavior, review (nematode senses, locomotion, movement patterns as tracked on agar, mechanisms of orientation)

Locomotion
Croll, N. A., 1975, Advances Parasitol., v. 13, 71-122
behavioral analysis of nematode movement, extensive review

Locomotion
Croll, N. A., 1976, Organ. Nematodes (Croll), 343-364
behavioral coordination of nematodes, review: movements of the body and parts of the body; models of behavioral integration; sequential analysis; neurotransmitters and coordination

Locomotion
Croll, N. A.; and Smith, J. M., 1977, Internat. J. Parasitol., v. 7 (3), 195-200
Nippostrongylus brasiliensis in fed vs. fasted rats, 10 vs. 15 day old infections, activity rates, postures, and temporal movement patterns observed in vivo, differences correlated with feeding regime of host and could thus lead to habitat selection

Locomotion
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Cochliomyia hominivorax, fly vigor measured by the flight mill technique, flight performance greater in females than males, linear correlation between age of flies and percentage of individuals with partial or complete loss of wings

Locomotion
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Haemogregarina sp. from Rana berlandieri (imported from Northern Mexico), intra- and extracellular gametocytes studied by light and electron microscopy, locomotion in relation to certain structural features, cytochemistry (proteinaceous and polysaccharide inclusions)

Locomotion
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Sarcocystis ovifelis, Besnoitia jellisoni, Eimeria falciformis, pellicular structures, fine structure, implications for mechanism of motility

Locomotion
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Pediculus humanus capitis, Pthirus pubis, feet, respiratory system, functional morphology, scanning electron microscopy

Locomotion
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Schistosoma mansoni, direct method utilizing suction electrodes for simultaneous recording of electrical activity and motility of adult male worms

Locomotion
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Trichomonas intestinalis, hydrochloric acid and gastric juice of varying concentrations, in vitro, morphological changes and damage, effect on movements

Locomotion
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Locomotion
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Locomotion
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Ascaris lumbricoides, neuromuscular physiology, review: morphology; working of nerve-muscle preparation; ionic fluxes across muscle cell membranes

Locomotion
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nematode tracks, method for direct or microscopic observation and photography

Locomotion
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Naegleria fowleri, electron microscopy of 2 types of microfilaments, their significance in amoeboid motion

Locomotion
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Nematocystis magna trophozoites, conformational changes in cortical region during peristaltic movements

Locomotion
MacMillan, W. G., 1974, J. Protozool., v. 21 (3), 451 [Abstract]
Nematocystis magna, types of movement, ultrastructural and cytochemical analysis

Locomotion
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Schistosoma mansoni, miracidial movement in relation to age, temperature, pH, light intensity, light shock, and snail-conditioned water, dark-ground photographic technique

Locomotion
Metais, M.; and Schrevel, J., 1974, J. Protozool., v. 21 (3), 473 [Abstract]
Selenidium hollandei, mechanism of motility, role of cortical fibrillar structures

Locomotion
Nwosu, A. B. C.; and Croll, N. A., 1977, Exper. Parasitol., v. 43 (1), 100-106
Ancylostoma tubaeforme, infective larvae, movement, mechanism of wave propagation

Locomotion
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Naegleria gruberi, amoeboid vs. flagellate locomotory phenotypes, cell surface receptors, reactions with antibodies, lectins, and cationized ferritin

Locomotion
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Leishmania tropica, electron microscopy of flagellum and sub-membranous fibers, suggestion that fibers can modify relative position of cell body and flagellum, evidence for coordination of movement

Locomotion
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Plasmodium berghei, mode of locomotion of ookinete cultivated in vitro

Locomotion
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Gregarina spp., cytochalasin B (phomin) inhibiting movement, changing cell fine structure and disorganizing fibrillar bundles or myonemes; fine structure of myonemes, skeleton-fibrils and pellicle; elements and mode of movement

Locomotion
Sathananthan, A. H., 1977, J. Protozool., v. 24 (2), 233-243
Zeylanocystis burti, cytochemical nature and fine structure with special reference to microfilaments, microtubules, and movement

Locomotion
Sinden, R. E.; and Croll, N. A., 1974, J. Protozool., v. 21 (3), 452-453 [Abstract]
Plasmodium yoelii nigeriensis, kinetics of movement of microgametes, recognition of macrogamete and fertilization

Locomotion
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Setaria cervi, effects of various chemicals on parasite nerve-muscle complexes and locomotion using worms with cuticular permeability barriers removed

Locomotion
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Grebneckiella pixellae, scanning electron microscopy of various life cycle stages reveals: epimerite as attachment organ to host gut epithelium, epicytic folds of body wall at various regions of trophozoite, changes in body folds during gamont formation and sexual dimorphism, syzygy, gamete formation, spore structure, possible role of epicytic folds in gregarine movement and absorption of nutrients

Locomotion
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Spirometra mansonoides larvae, effect of putative neurotransmitters on motor activity

Locomotion
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Plasmodium spp. sporozoites, motility, locomotion, movement, effects of several factors (parasite species, oocyst vs. salivary gland sporozoites, presence of albumin or globulins, temperature), relationship to infectivity, immunogenicity (circumsporozoite precipitate reaction), and secretory activity

Locomotion
Voge, M., 1975, J. Parasitol., v. 61 (3), 563-564
Hymenolepis diminuta, axenic development of cysticercoids from oncospheres hatched in vitro to fully developed larvae infective to rats, motility of developmental stages and of fully developed cysticercoids

Locomotion
Weisblat, D. A.; Byerly, L.; and Russell, R. L., 1976, J. Comp. Physiol., A, v. 111 (2), 93-113
Ascaris lumbricoides, ionic mechanisms of electrical activity in somatic muscle, significance of results in understanding role of myogenic activity in nematode locomotion

Locomotion
Weisblat, D. A.; and Russell, R. L., 1976, J. Comp. Physiol., A., v. 107 (3), 293-307
Ascaris lumbricoides, propagation of electrical activity in nerve cord and muscle syncytium

Locomotion
Whitfield, P. J.; Anderson, R. M.; and Bundy, D. A. P., 1977, Parasitology, v. 75 (1), 9-30
Transversotrema patialense, cercarial behavior, activity patterns, age and temperature dependence, speed and duration, neural control and energetic significance

Locomotion
Wright, E. J.; and Sommerville, R. I., 1977, Internat. J. Parasitol., v. 7 (5), 353-359
Nematospiroides dubius, spermatozoa, description and location, movement in vitro, speed, locomotion not considered to be amoeboid but resembles movement of monopodial neutrophils

Longevity. [See also Age; Survival]

Longevity
Blankespoor, H. D., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 44-50
Plagiorchis noblei, life cycle studies: egg (infectivity); cercaria (diel periodicity of emergence; seasonal periodicity; temperature effect on longevity and infectivity); metacercaria (infectivity); adults (location in definitive host; longevity; seasonal periodicity)

Longevity
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gastrointestinal nematodes of cattle, effect of Onthophagus gazella in dung pats on numbers of infective larvae under moist climatic conditions, ecological distribution of larvae resulting from dung beetle activity

Longevity
Chhabra, M. B.; and Ruprah, N. S., 1976, Indian Vet. J., v. 53 (3), 180-184
Oestrus ovis larvae, sheep, goats, survey, highest incidence in sheep, pupal period and longevity of adult O. ovis dependent upon temperature and humidity: abattoir at Hissar, Haryana

Longevity
Coman, B. J.; and Rickard, M. D., 1977, Internat. J. Parasitol., v. 7 (1), 15-20
Taenia pisiformis eggs, ageing process, 4 stages with varying ability to hatch and to infect and develop in rabbits, comparison of in vitro and in vivo estimates of viability, failure of 'senescent' eggs to produce immunity to challenge infection

Longevity
Crystal, M. M.; and Ramirez, R., 1975, J. Med. Entom., v. 12 (4), 418-422
Cochliomyia hominivorax, strains evaluated for laboratory adaptation and longevity, sexual aggressiveness, mating capacity and mating competitiveness, suitability for mass production and sterile male release

Longevity
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Neoschoengastia americana, development and longevity under laboratory and field conditions, rainfall increased time required to complete a generation

Longevity
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Cochliomyia hominivorax, 5 strains under laboratory conditions, longevity, oviposition, fertility

Longevity
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mice fed with irradiated and non-irradiated Ascaris suum eggs, reduced size, motility, and longevity of resulting migrating A. suum juveniles recovered from liver and lungs

Longevity
Gemmell, M. A., 1977, Exper. Parasitol., v. 41 (2), 314-328
Taenia spp., Echinococcus granulosus, eggs, hatching characteristics, survival, infectivity of embryos, influence of various factors (different worms, different segments of same worm, moisture, temperature, length of storage, washing), epidemiological implications in regulation of tapeworm populations

Longevity
Hopkins, C. A.; Goodall, R. I.; and Zajac, A., 1977, Parasitology, v. 74 (2), 175-183
Hymenolepis diminuta, H. microstoma, mice, effect of primary immunizing infection with one species on growth and survival of secondary infection with heterologous species; data on longevity and pattern of worm loss in primary H. microstoma infections in mice; results show that H. microstoma in low level infections is able to evade host immune response, heavier worm burden initiates worm loss which may be physiologically ('crowding effect') rather than immunologically mediated

Longevity
Hopkins, D. E.; Chamberlain, W. F.; and Gingrich, A. R., 1976, Ann. Entom. Soc. Am., v. 69 (3), 538-540
Bovicola limbatus, B. ovis, B. crassiceps, longevity, fecundity, population increases, in vitro testing on artificial diets, field-collected and in vitro-colonies compared

Longevity
Kennedy, C. R.; and Burrough, R., 1977, J. Fish Biol., v. 11 (6), 619-633
Diplostomum gasterostei and Tylodelphys clavata in Perca fluviatilis (eyes), seasonal changes in frequency distribution, incidence and intensity of infection, parasite life span, age of host: Slapton Ley, South Devon

Longevity
Kovalenko, I. I., 1975, Veterinariia, Kiev (42), 90-92
Fimbriaria fasciolaris persisting less than one year and Microsomacanthus paracompressa lasting two years in parasitized ducks

Longevity
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Pediculus humanus capitis, sex ratio in natural and reared populations, females not significantly reduced under crowded conditions; shorter longevity in newly emerged females isolated with males attributed to their not being fully sclerotized prior to copulating, not the result of frequent copulations by males

Longevity
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horse strongylid eggs, longevity on grass plots when deposited early or late in grazing season or in winter, seasonal and climatic aspects, preliminary field study

Longevity
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Amblyomma hebraeum, survival and rate of development in relation to temperature and humidity under laboratory and field conditions, longevity of unfed ticks, ecological implications of results

Longevity
Ponnudurai, T.; Denham, D. A.; and Rogers, R., 1975, J. Helminth., v. 49 (1), 25-30
Brugia pahangi microfilariae transfused from infected to other cats, wide variation in longevity in normal cats, not detected in immunized recipients after 18 hours

Longevity
Saliba, E. K.; Sweatman, G. K.; and Kawar, N. S., 1971, J. Med. Entom., v. 8 (1), 73-83
Ornithodoros savignyi, respiration rate and longevity of untreated ticks at different temperatures, effect of ronnel on respiration rate at different temperatures using 3 application methods, statistical analysis, ronnel not practically useful as systemic pesticide against O. savignyi

Longevity
Smalley, M. E.; and Sinden, R. E., 1977, Parasitology, v. 74 (1), 1-8
Plasmodium falciparum, gametocytes are both long-lived and show persistent infectivity to mosquitoes, they can stimulate antibody production but immune response appears to play no part in their elimination

Longevity
Verster, A.; Du Plessis, T. A.; and van den Heever, L. W., 1976, Onderstepoort J. Vet. Research, v. 43 (1), 23-26
Taenia solium cysticerci, effect of various doses of gamma radiation on in vitro evagination and on infectivity, longevity, and growth in golden hamsters, infested carcasses can possibly be rendered fit for human consumption when exposed to 20-60 krad. of gamma radiation

Longevity
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free-living nematodes as models for aging studies, may have implications for parasitology

Louisiana. See United States, Louisiana.

Lung. [See also Pneumonia; Respiratory system]

Lung
Adickman, M.; and Tuthill, T. M., 1976, Postgrad. Med., v. 60 (3), 143-148
pulmonary symptoms and eosinophilia associated with human parasitic infections, diagnostic and clinical review, need for increased awareness in travelers to endemic areas, immigrants and military personnel

Lung
Akoun, G.; et al., 1975, Nouv. Presse Med., v. 4 (33), 2408 [Letter]
Schistosoma mansoni in woman with pulmonary granuloma originally diagnosed as tuberculosis, clinical case report: France (native of Guadeloupe)

Lung
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human pulmonary echinococcosis, statistical survey of surgical cases: Santiago, Chile

Lung
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nematodes of sheep lungs, lower incidence of fungi in parasitized lungs: Leon

Lung
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Ascaris suum migrating larvae, pathogenesis of liver and lung lesions, differences in pigs vs. mice and young vs. old pigs

Lung
Blaive; et al., 1971, Marseille Med., v. 108 (9), 597-602
human pulmonary cysticercosis, radiologic differential diagnosis, case report, clinical review: France (originally from Indochina)

Lung
Breeze, R. G.; et al., 1975, Folia Vet. Latina, v. 5 (1), 95-128
Dictyocaulus viviparus, adult cattle, reinfection syndrome, respiratory distress, pulmonary lymphoid nodules: Britain

Lung
Brine, J. A. S.; et al., 1971, Med. J. Australia, v. 2 (24), 1238-1241
woman, excised pulmonary lesion contained Dirofilaria immitis, case report: Western Australia

Lung
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Pneumocystis carinii, percutaneous pulmonary needle aspiration diagnosis of human pneumonia

Lung
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pulmonary echinococcosis in children, radiologic diagnosis, clinical and surgical management

Lung
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Pneumocystis carinii in human, presentation on X-ray as localized nodular densities, case report: New York

Lung
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Lung
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Babesia argentina, calves (exper.) given betamethasone, fatal pulmonary edema, hematological changes, histopathology, findings established occurrence of disseminated intravascular coagulation

Lung
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case report of rupture of pulmonary hydatid cyst resulting from severe coughing seizure with evacuation of cyst by vomiting, complicated by aspiration pneumonia and pneumothorax, clinical management

Lung
Dembele, M.; and Sangare, S., 1974, Medecine Afrique Noire, v. 21 (2), 155-157
man, case report, Schistosoma haematobium pulmonary infection in association with hydatid cyst of lung: Mali

Lung
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Pneumocystis carinii pneumonia in humans, atypical radiographic features

Lung
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echinococcal cyst of lung in 6-year-old child diagnosed by routine chest X-ray, case report: Malaya

Lung
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Entamoeba histolytica, case history of human pulmonary ameboma, radiological aspects, successful treatment with Ambilhar; review on localization and diffusion of E. histolytica

Lung
Geelhoed, G. W., 1976, National Cancer Inst. Monograph (43), 141-147
Pneumocystis carinii, open lung biopsy in the diagnosis of human pneumonia

Lung
Geelhoed, G. W., 1976, National Cancer Inst. Monograph (43), 187-191
Pneumocystis carinii pneumonia in humans, pulmonary and extrapulmonary support therapy, clinical aspects

Lung
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Echinococcus granulosus, pulmonary hydatid cysts in children, differential diagnosis by means of X-rays in cases masked by pneumonia, clinical case reports: Israel

Lung
Hussein, M. F.; and Haroun, E. M., 1977, Brit. Vet. J., v. 133 (3), 316-317
Fasciola gigantica, zebu cattle, pulmonary lesions, pathology: Sudan

Lung
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Angiostrongylus cantonensis, rats, comparison of oral, subcutaneous and intraperitoneal methods of experimental infections, classification of types of lung lesions

Lung
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Lung
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Entamoeba histolytica, amoebic lung abscess in man who 5 years previously had been treated for intestinal amoebiasis, case report, differential diagnosis: New York City

Lung
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Dirofilaria immitis, dogs, postmortem pulmonary angiography, gross and histopathological observations

Lung
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Nasitrema attenuata, aspiration of trematode eggs as a possible cause of chronic pulmonary lesions; description of adult in Tursiops truncatus: Zoological Garden, Antwerp

Lung
Lancastre, F.; Nassi, H.; and Poirot, J.-L., 1976, Ann. Parasitol., v. 51 (3), 349-353
Schistosoma mansoni, massive presence of adults and eggs in lungs of Rattus norvegicus: Guadeloupe

Lung
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Schistosoma mansoni, mice, modification of lung recovery assay (extended incubation of minced lung tissue) and correlations with worm burdens, may provide more defined indicator of protective immunity

Lung
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Lung
Malone, J. B.; Leininger, J. R.; and Chapman, W. L., jr., 1976, Exper. Parasitol., v. 40 (1), 62-73
Brugia pahangi, histopathology in Mesocricetus auratus, lymph vessels and nodes, testes, epididymis, and spermatic cord, lungs, liver, potential for model of human filariasis

Lung
Mansueto, S.; and Cucchiara, E., 1974, Policlin., Roma. Sez. Med., v. 81 (2), 70-84
human hepatic amoebic abscess with transdiaphragmatic fistula into lung, clinical case report: Italy

Lung
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Plasmodium falciparum resulting in acute pulmonary insufficiency in African woman, successful treatment with intermittent positive pressure ventilation: Salisbury, Rhodesia

Lung
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Lung
Moorhouse, D. E.; et al., 1971, Med. J. Australia, v. 2 (24), 1230-1233
Dirofilaria immitis, human infections presenting as pulmonary granulomata of unknown etiology, surgical excision, case reports: Queensland, Australia

Lung
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Spirocerca lupi, case histories, symptoms, relationship to secondary pulmonary osteoarthropathy as a possible complication, dogs: Uganda

Lung
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Parelaphostrongylus andersoni, Odocoileus virginianus (exper.), gross and microscopic lesions, lungs, muscles, clinical signs, egg production, course of infection

Lung
Oger, O., 1976, Praxis Pneumol., v. 30 (5), 292-300
human pulmonary echinococcosis, aspiration biopsy of pulmonary lesions as means of diagnosis, case reports of clinical and surgical management: Ankara, Turkey

Lung
Paldy, L.; and Ivady, G., 1976, National Cancer Inst. Monograph (43), 99-119
Pneumocystis carinii interstitial plasma cell pneumonia in infancy, six diagnostic radiographic stages identified, differentiation from other interstitial infiltrative processes of lung

Lung
Pare, P. D.; Michoud, M.-C.; and Hogg, J. C., 1976, J. Applied Physiol., v. 41 (5, pt. 1), 668-676
Ascaris suum-sensitive Macaca mulatta, lung mechanics following antigen challenge as an animal model for human asthma

Lung
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Schistosoma haematobium, case report, schistosomal peritoneal granuloma and accompanying lung infection, differential diagnosis by biopsy: native of Mauritius living in France

Lung
Pierotti, P., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 415-417
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Lung
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evaluation of pulmonary function in presence of human echinococcal pulmonary cysts

Lung
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human hepatic and pulmonary porocephaliasis probably of Porocephalus moniliformis origin, lesions discovered accidently at autopsy of Orang Asli Aborigine, probable infection from improperly cooked snake meat: Pahang State, Malaya

Lung
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Lung
Rebora Gutierrez, F.; et al., 1976, Neumol. y Cirug. Torax, v. 37 (3), 147-158
Echinococcus granulosus, bilateral pulmonary cysts in 17-year old girl, surgical excision, clinical aspects; general review of epidemiologic and immunologic aspects: Mexico

Lung
Repsher, L. H.; et al., 1976, National Cancer Inst. Monograph (43), 127-132
Pneumocystis carinii, diagnosis in immunocompromised host by transbronchial lung biopsy via the fiberoptic bronchoscope, procedure offers diagnostic accuracy

Lung
Rodhain-Rebourg, F.; and Rodhain, F., 1972, Medecine et Malad. Infect., v. 2 (8-9), 309-313
review of human infection with Dirofilaria immitis, cause of solitary pulmonary nodules

Lung
Rossi, G. A.; Brancaccio, M.; and Gatti, A., 1974, Atti Soc. Ital. Sc. Vet., v. 28, 840-845
Toxoplasma gondii, isolation from dogs with severe pneumoencephalitis, case histories, severity possibly related to distemper vaccination or winter climate

Lung
Sapunar, J.; Schurter, P.; and Olivares, M., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 69-73
clinical review and case report of youth with echinococcal cysts of lung and right eye orbit, surgical removal of both cysts successful: Chile

Lung
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Pneumocystis carinii, pig (lung), bronchopneumonia

Lung
Sharma, D. N.; and Dwivedi, J. N., 1976, J. Comp. Path., v. 86 (3), 449-454
Schistosoma indicum, sheep, goats, ova formation of pseudotubercles in host lungs, pathology: Mathura, Aligarh and Agra abattoirs, Uttar Pradesh, India

Lung
Shiozawa, M.; et al., 1975, Bull. Nippon Vet. and Zootech. Coll. (24), 76-86
Protostrongylus shiozawai in the Japanese serow, histopathology of verminous pneumonia

Lung
Sierra C., D.; Hernandez R., R.; and Rojas M., J. L., 1974, Neumol. y Cirug. Torax, v. 35 (6), 369-380
Echinococcus granulosus in humans, pulmonary involvement, case reports, clinical management: Mexico

Lung
Stockdale, P. H. G.; and Smart, M. E., 1975, Research Vet. Sc., v. 18 (2), 178-181
Crenosoma vulpis, dogs (exper.), treatment with levamisole, diethylcarbamazine, thiacetarsamide, and cyacetazide (from most to least effective), pulmonary lesions

Lung
Suzuki, M., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 20 [Demonstration]
Plasmodium berghei berghei, P. yoelii nigeriensis, lung pathology in mice (exper.)

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Lymph. See Lymphatic system.

Lymphadenitis. See Lymphatic system.

Lymphangitis. See Lymphatic system.

Lymphatic system. [See also Cardiovascular system; Elephantiasis]

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Malaysia. [*See also* Sarawak]

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Malaysia
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Malformations. *See* Anomalies.

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Manuals. See Acarology, Manuals and textbooks; Entomology, Manuals and textbooks; Helminthology, Manuals and textbooks; Microbiology, Manuals and textbooks; Parasitology, Manuals and textbooks; Pathology, Manuals and textbooks; Pharmacology, Manuals and textbooks; Protozoology, Manuals and textbooks; Technique, Manuals and textbooks; Tropical diseases, Manuals and textbooks; Veterinary Science, Manuals and textbooks.

Manure. [See also Disease transmission, Feces; Night soil]

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Manure
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parasite survival in liquid manure, antiparasitic action of xylene

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Mast cells. [See also Immunity]

Mast cells
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Amplicaecum robertsi in rats (exper.), antigen-antibody precipitate was chemotactic to eosinophils, phagocytosis of precipitate by eosinophils occurred and was followed by lysis of eosinophil granules and discharge of granular material outside cells, mast cell changes followed eosinophilia and occurred at sites of eosinophil accumulation

Mast cells
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Mast cells
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Mast cells
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Mast cells
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Mast cells
Ishizaka, T.; et al., 1975, J. Immunol., v. 115 (4), 1078-1083
Nippostrongylus brasiliensis-infected rats, increase in serum IgE, most receptors for IgE on mast cells of infected animals are occupied by their own IgE, no differences in mast cells of normal vs. infected rats with respect to histamine content or intracellular levels of cyclic nucleotides

Mast cells
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Mast cells
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Mast cells
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Nippostrongylus brasiliensis, immunized rats, nature of cells binding anti-IgE, IgE synthesis in regional lymph nodes and concentration in mucosal mast cells, results do not support suggestion that IgE is secretory immunoglobulin with physiology analogous to that of IgA

Mast cells
Munoz, J. J.; and Cole, R. L., 1977, Infect. and Immun., v. 15 (1), 84-90
Trichinella spiralis-infected mice, relative unresponsiveness to passive cutaneous anaphylaxis induced with hen egg albumin and its corresponding antibodies, believed to be due to increase in production of IgE which competitively blocks mast cell sites for other IgE molecules

Mast cells
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Dicrocoelium dendriticum and Fasciola hepatica, comparison of histochemical pathology of infected goats showing increase in number of hepatic mast cells and occurrence of globule leucocytes in bile-duct walls

Mast cells
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Trichinella spiralis, congenitally athymic mice, absence of intestinal mast cell response, results indicate T-cell dependence of host protection

Mast cells
Sher, A., 1976, Nature, London (5575), v. 263, 334-336
Schistosoma mansoni schistosomula, complement-dependent adherence of mast cells to surface

Mast cells
Sher, A.; and McIntyre, S. L., 1977, J. Immunol., v. 119 (2), 722-725
Schistosoma mansoni, adherence of rat peritoneal mast cells to schistosomula, mast cell adherence sites are receptors for third component of complement

Mast cells
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Fasciola hepatica, cattle (liver), differentiation of brilliant cells (derived from smooth muscle cells) from tissue mast cells in areas of adenomatous epithelial proliferation of bile ducts

Mast cells
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Nippostrongylus brasiliensis in rats (exper.), mast cells in lungs after superchallenge infection, no evidence of sudden expulsion of larvae from lungs or adult worms from intestine

Mast cells
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Nippostrongylus brasiliensis, repeatedly inoculated rats, lung mast cell populations and larval and adult worm populations

Mathematical models and theory. [See also Technique, Statistical methods]

Mathematical models and theory
Adams, V. D.; DeAngelis, D. L.; and Goldstein, R. A., 1976, Environment. Sc. Div. Publication (837), Oak Ridge National Lab., 53 pp.
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Mathematical models and theory
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Caryophyllaeus laticeps, seasonal periodicity in population dynamics, theoretical derivation of mathematical model, comparison of model predictions with observed population data, seasonality shown to be caused by combined effects of temperature-dependent parasite mortality rate and fluctuations in host feeding activity (which controls immigration rate of larval parasites)

Mathematical models and theory
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Ostertagia ostertagi in calves, survival characteristics of worm populations, two simple mathematical models proposed to describe density-dependent survival

Mathematical models and theory
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Transversotrema patialense, cercariae and adults, population dynamics under laboratory conditions: survival, effects of aging and density on infectivity, immigration-death experiments (measure of host resistance as factor)

Mathematical models and theory
Bradley, D. J., 1974, Proc. 1. Internat. Cong. Ecol., 320-322
mathematical models in population ecology of parasites

Mathematical models and theory
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Echinococcus granulosus, analysis of epidemiologic factors influencing rate of progress of control measures: New Zealand

Mathematical models and theory
Burridge, M. J.; Schwabe, C. W.; and Pullum, T. W., 1977, J. Hyg., Cambridge, v. 78 (2), 135-149
Echinococcus granulosus, application of path analysis to epidemiologic study of echinococcosis in New Zealand

Mathematical models and theory
Clarke, B., 1976, Symposia Brit. Soc. Parasitol., v. 14, 87-103
argument that genetic interactions between parasites and their hosts have played important perhaps even dominant role in maintaining protein polymorphisms, 3 hypotheses with supporting evidence, mathematical models of specific and general host resistance, consequences for evolutionary theory, symposium presentation

Mathematical models and theory
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5 filaria-vector sets, stochastic models for assessing relation between numbers of microfilariae ingested and numbers of microfilariae passing into hemocoel, limitation phenomenon

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biological controls in mixed trichostrongylid infections (predominantly Haemonchus contortus cayugensis) in sheep, different ecosystems (barn vs. pasture) and different treatment groups, course of infections (erythrocyte loss, fecal egg counts, hematocrit values), "Anaphylactoid 'self-cure' did not occur in this experiment but something like premunition certainly did."

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Mating. See Reproduction.

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human malaria presently eradicated on Mauritius but Anopheles gambiae complex remains a potential vector there

Measurements. [See also Morphology; Variation]

Measurements
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Haemonchus contortus, populations of differing pathogeniticy used to premunize and challenge sheep, ability to distinguish 2 worm populations in sheep exposed to both by separation in curve of distribution frequencies of parasite lengths

Measurements
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Leucocytozoon spp., morphometric variation, "concluded that the morphometric characteristics were not valid criteria for species differentiation.", proposed synonymies

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Zonorchis, Skrjabinus, morphological variation analyzed, effects of allometric growth investigated, patterns in relation to host ecology and distribution, taxonomic implications: Malaysia

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Measurements
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Cotylurus flabelliformis, host specificity, host-induced variations not significant, temperature of fixative greatly influenced size of worms in permanent preparations, development in domestic mallard

Measurements
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Leishmania species differentiation by morphometric comparisons of ultrastructural features of leishmanial amastigotes

Measurements
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Cephaluris alaskensis, C. coloradensis; C. andrejevi; C. ochotonae

Measurements
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myxosporidan spores, size determined by parasite's development in host tissues vs. organ cavities, shape determined by presence of physiologically and behaviorally suitable host fish, constancy of spore size and shape a result of little selective pressure to change

Measurements
Toure, S. M., 1976, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 29 (1), 17-22
Trypanosoma (Nannomonas) congolense, 640 passages in mice during 10 years, biometrics, changes in morphology, no reduction in virulence

Measurements
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Naegleria fowleri, quantitation and cell size, electronic particle counting as highly sensitive, reproducible, and convenient method

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sheep, cattle and pigs slaughtered at local abbatoir surveyed for serologic evidence of Toxoplasma gondii infection, possible correlation of human infections transmitted through consumption of meat animals and comparisons with similar studies done in other parts of world: Madrid

Meat inspection
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sarcospiridiosis, danger of raw meat for man and animal, importance of meat inspection

Meat inspection
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echinococcosis, cysticercosis, fascioliasis and trichinosis prevalence in livestock slaughtered in abbatoirs: Bio-Bio Province, Chile

Meat inspection
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taeniid cestodes, prevalence in slaughtered food animals at meat inspection: Nigeria

Meat inspection
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trichinosis, cysticercosis, echinococcosis, fascioliasis, survey of reasons for condemnations of swine slaughtered from 1959-1973, economic importance: Santiago, Chile

Meat inspection
Gonzalez, H.; and Plaza, J., 1968, Bol. Chileno Parasitol., v. 23 (3-4), 138-141
Trichinella spiralis, Taenia solium, prevalence as discovered during meat inspection at 107 abattoirs from 1963 to 1965: Chile

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Echinococcus granulosus, survey of slaughter animals at local abattoirs, dogs as suspect definitive host in city areas: Dacca, Bangladesh

Meat inspection
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Taenia saginata cysticerci in beef cattle, heart and masticatory muscles most heavily and most frequently infected, recommendations for increased efficiency in meat inspection by increasing inspection cuts in these sites and omitting in others; routine inspection single-cyst carcasses found to harbor other cysts upon complete dissection, justifies recent changes in inspection procedures

Meat inspection
Kagei, N.; and Senuma, J., 1976, Bull. Inst. Pub. Health, Tokyo, v. 25 (3), 177-181
Phyllobothrium delphini, cysticercoids in sperm whale (Physeter catodon) blubber sold in a market without being inspected, presents an aesthetic problem in food hygiene, not harmful to humans: captured at Sanrikuoki (coast of Hokkaido)

Meat inspection
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Trichinella spiralis, slaughter pigs, detection by enzyme-linked immunosorbent assay, more sensitive than other diagnostic methods

Meat inspection
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modified trichinoscope for parasitological examination

Meat inspection
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Trichinella spiralis in humans, dangers of being infected during journeys to areas without meat inspection laws, control through prophylaxis: Germany

Meat inspection
Petrovic, A. P., 1976, Vet. Glasnik, v. 30 (8), 709-713
Cysticercus bovis, incidence and spread, cattle, percentage of infestation in different parts of trunk, head and heart, importance for control: Tanzania

Meat inspection
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Meat inspection
Robinson, J. T. R., 1976, Rhodesian Vet. J., v. 7 (1), 2-5
Cysticercus bovis, technique of meat inspection of beef carcasses, mutilation of carcass reduced by confining secondary incisions to muscles with best yield of cysts

Meat inspection
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Trichinella spiralis, application of the indirect enzyme-labeled antibody microtest for the detection of trichinosis in swine, experimental trials testing the feasibility for use in meat packinghouses

Meat inspection
Schenone, H.; et al., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 46-51
epidemiologic survey shows increasing incidence of human trichinosis, possible association with increased pork consumption and lack of satisfactory meat inspection: Santiago Province, Chile

Meat inspection
Schenone, H.; Reyes, H.; and Rojas, A., 1969, Bol. Chileno Parasitol., v. 24 (3-4), 152-153
Trichinella spiralis, 1000 autopsy surveys indicate decreasing incidence in humans probably resulting from improved meat inspection: Santiago, Chile

Meat inspection
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trichinosis, examination of swine meat under large-scale conditions by digestive method

Meat inspection
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parasites of sheep, importance in meat inspection

Meat inspection
Szekely, R.; Rojo, M.; and Ramirez, R., 1973, Bol. Chileno Parasitol., v. 28 (3-4), 78-80
Echinococcus granulosus, hydatid cysts most frequently located in livers of slaughter animals, meat inspection survey

Meat inspection
Thomsen, D. U., 1976, Medlemsbl. Danske Dyrlaegeforen., v. 59 (11), 481-490
Trichinella, improved diagnostic technique for pig meat post mortem using digestion in Colsworth Stomacher 3500; 50% better results than trichinoscopic method, time reduced from six hours to one

Meat inspection
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prevalence survey for cysticercosis-infected bovine carcasses discovered during meat inspection at slaughter house, new method of inspection adopted resulting in more accurate findings: Santiago, Chile

Meat inspection
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Toxoplasma gondii, sheep muscular tissue, incidence correlated with dye test titres and haemoglobin type (higher in type B than A or AB), possible genetic influence on infection, epidemiology, meat inspection: southern Norway

Mechanism, Drug action. See Drugs, Mode of action.

Medical entomology. See Entomology, Medical.

Medicine, Military
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Wuchereria bancrofti, humans, extensive epidemiologic survey of civilian and military populations of island to establish infection rates and possible means of control of transmission of filariasis from civilians to military troops garrisoned on Kinmen (Quemoy) Islands

Medicine, Military
Gill, G. V.; Bell, D. R.; and Reid, H. A., 1977, Brit. Med. J. (6067), v. 1, 1007
Strongyloides stercoralis, long-standing infections in ex-Far East prisoners of war frequently presenting as rash with urticarial eruptions, good response to thiabendazole; similar therapy suggested for persons who have been in tropics and develop typical rash: Liverpool, England

Medicine, Military
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emerging medical problems associated with U.S. army troops, clinical management and prophylaxis, discussions on malaria and amoebiasis: Vietnam

Medicine, Military
Sullivan, T. J. III; Carnahan, V. A.; and Cutting, R. T., 1970, Mil. Med., v. 135 (9), 797-798
Wuchereria bancrofti, soldier returned from Vietnam, filariasis without microfilaremia, diagnostic difficulties, need for awareness in returning military personnel

Medicine, Military
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Ancylostoma ceylanicum and Necator americanus, mild infections in Dutch soldiers who had served in Surinam, clinical aspects: Netherlands

Membranes. [See also Parasite surfaces; Tegument]

Membranes
Aikawa, M.; Hsieh, C.-L.; and Miller, L. H., 1977, J. Parasitol., v. 63 (1), 152-154
Plasmodium simiovale- and P. fieldi-infected Macaca mulatta, ultrastructural alterations in cell membrane of erythrocytes, caveola-vesicle complexes likely correspond to Schüffner's dots, electron dense excrescences at protruded tip of infected erythrocytes

Membranes
Alves, M. J. M.; and Colli, W., 1974, J. Protozool., v. 21 (4), 575-578
Trypanosoma cruzi, differential agglutination of epimastigotes vs. trypomastigotes by concanavalin A, results suggest differences in membrane structure between blood and culture forms which might be related to different pathogenic properties

Membranes
Barrett, J., 1976, Parasitology, v. 73 (1), 109-121
Ascaris lumbricoides eggs, studies on mechanism of induction of permeability, "no firm conclusions can be drawn"

Membranes
Belton, C. M., 1977, J. Parasitol., v. 63 (2), 306-313
Taenia crassiceps larvae, tegument, freeze-fracture study

Membranes
Bogoiavlenskii, Iu. K.; and Demchenko, A. N., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 281-285
Raphidascaris acus, structure of cuticle, hypodermis, and somatic musculature

Membranes
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Crithidia fasciculata, comparison of haptomonads attached to cuticular lining of Anopheles gambiae hindgut with those from mosquito foregut and from rosettes in culture, prominent cell coat only in former suggests cell coat formation is in response to appropriate environmental conditions, cytochemical staining indicates presence of carbohydrates

Membranes
Cain, G. D.; Johnson, W. J.; and Oaks, J. A., 1977, J. Parasitol., v. 63 (3), 486-491
Hymenolepis diminuta, isolated tegument, vesicular and brush border fractions, neutral and phospholipid compositions

Membranes
Cesari, I. M., 1976, Internat. J. Parasitol. v. 6 (4), 295-298
Schistosoma mansoni, presence of membrane-associated agglutinin directed against surface molecular determinants of untreated mouse and rat erythrocytes, seems to be host-independent worm membrane receptor, possible role in host-parasite adaptation mechanism

Membranes
Cesari, I. M.; and Marchiani, C., 1977, Internat. J. Parasitol., v. 7 (4), 275-279
Schistosoma mansoni, membrane-associated agglutinin, inhibition studies, suggested that agglutinin might catch antigenic material onto worm surface and disguise it from host's immunological recognition

Membranes
Dawidowicz, K.; et al., 1975, J. Parasitol., v. 61 (5), 950-953
Leishmania braziliensis, infective amastigotes and promastigotes and noninfective promastigotes, agglutination by various lectins, results suggest presence of complex carbohydrate groups on surface membrane

Membranes
Dwyer, D. M., 1975, J. Cell Sc., v. 19 (3), 621-644
Trypanosoma lewisi, bloodstream and culture forms, differential polycation-induced cell agglutination, fine-structure cytochemistry, results indicate complex polysaccharides are present in surface membranes and cell surface coat

Membranes
Dwyer, D. M., 1976, J. Immunol., v. 117 (6), 2081-2091
Leishmania donovani, effects of specific antibodies on surface membrane antigens of amastigotes and promastigotes detected using direct and indirect immunofluorescence methods, capping process

Membranes
Dwyer, D. M., 1977, Exper. Parasitol., v. 41 (2), 341-358
Leishmania donovani promastigotes, surface membrane carbohydrates

Membranes
Dwyer, D. M.; and Chang, K. P., 1975, J. Protozool., v. 22 (3), 37A-38A [Abstract]
Leishmania donovani promastigotes, surface membrane terminal saccharides

Membranes
Dwyer, D. M.; and Chang, K.-P., 1976, Proc. Nat. Acad. Sc., U.S.A., v. 73 (3), 852-856
Crithidia oncopelti, bacterial endosymbiote-containing vs. symbiote-free strain, comparison of surface-membrane carbohydrate ligands by lectin-mediated agglutination and lectin-ultrastructure localization

Membranes
Dwyer, D. M.; and D'Alesandro, P. A., 1976, J. Protozool., v. 23 (1), 75-83
Trypanosoma musculi bloodstream forms, extracellular surface coat, fine structure, presence and distribution of carbohydrates in surface coat and pellicular membrane

Membranes
Dzbenski, T. H.; and Zielinska, E., 1976, Experientia, v. 32 (4), 454-456
Toxoplasma gondii trophozoites move surface membrane antigens towards one pole of the cell when incubated with antibodies to form a 'cap', phenomenon prevented by metabolic inhibitors and low temperatures

Membranes
Fearnhead, R. W.; Jenkins, G. C.; and Kawasaki, K., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 155 [Abstract]
T[rypanosoma] brucei-infected rabbits and mice, tissue samples from various organs show trypanosomes with extra cellular membranous coats origin of which is unknown

Membranes
Heath, D. D.; and Osborn, P. J., 1976, Internat. J. Parasitol., v. 6 (6), 467-471
Echinococcus granulosus, laminated membrane of parasite not host origin, formation in defined medium, culture of protoscoleces may reduce contaminating host antigens and thus be of value in reducing non-specific reactions during immunodiagnosis

Membranes
Hogan, J. C., jr.; and Patton, C. L., 1976, J. Protozool., v. 23 (2), 205-215
Trypanosoma brucei bloodstream forms from intact or lethally irradiated rats, freeze-cleaved and thin sectioned preparations, variation in intramembrane components, immunological implications

Membranes
Hommel, M.; McColm, A. A.; and Trigg, P. I., 1977, J. Protozool., v. 24 (4), 40A-41A [Abstract]
Plasmodium knowlesi, reinvasion in vitro into erythrocytes pretreated with membrane-active drugs

Membranes
Hung, C. H.; et al., 1977, J. Biol. Chem., v. 252 (11), 3995-4001
Ascaris suum, intestinal basement membrane, analysis of polypeptide components, amino acid and carbohydrate composition

Membranes
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Naegleria gruberi, N. fowleri, concanavalin A-induced agglutination of N. gruberi but not N. fowleri indicating differences in polysaccharide structure of cell membranes, possible application to differentiating species and probing membrane properties associated with virulence

Membranes
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Echinococcus multilocularis, protoscoleces, changes in tegument ultrasturucture during complement-mediated lysis in vitro, transmission and scanning electron microscopy

Membranes
Kelligan, M.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 291 [Demonstration]
Schistosoma mansoni, soluble membrane proteins existing in cytoplasm of tegument either free or in membrane bounded vesicles, possibly important in membrane synthesis on the outer surface of the worm

Membranes
Koenigk, E.; and Mirtsch, S., 1976, Ztschr. Parasitenk., v. 50 (2), 184-185
Plasmodium chabaudi-infected mouse erythrocytes, fine structure of erythrocyte membranes

Membranes
Koenigk, E.; and Mirtsch, S., 1977, Tropenmed. u. Parasitol., v. 28 (1), 17-22
Plasmodium chabaudi, characterization of membrane preparations from infected and uninfected erythrocytes of mice by specific activities of membrane-associated enzymes and by patterns of proteins and glycoproteins using gel electrophoresis

Membranes
Kreier, J. P.; et al., 1975, Tropenmed. u. Parasitol., v. 26 (1), 9-18
Babesia rodhaini, B. microti, electron microscopy, relationship of stage of development to structure of intra- and extracellular parasites

Membranes
Langreth, S. G.; and Trager, W., 1973, J. Protozool., v. 20 (5), 606-613
Plasmodium lophurae, extracellular development in vitro, light and electron microscopy, incorporation of methionine or proline, observation of abnormalities which may indicate limits of extracellular cultivation in vitro (loss of host-derived outer parasite membrane and apparent reduction in feeding activity via food vacuoles)

Membranes
Lascano, E. F.; Coltorti, E. A.; and Varela-Diaz, V. M., 1975, J. Parasitol., v. 61 (5), 853-860
Echinococcus granulosus, hydatid cysts, germinal membrane, fine structure

Membranes
Linder, J. C.; and Staehelin, L. A., 1977, J. Ultrastructure Research, v. 60 (2), 246-262
Leptomonas collosoma, morphology of plasma membrane and associated cytoplasmic components, freeze etching

Membranes
Liston, A. J.; and Baker, J. R., 1977, J. Protozool., v. 24 (4), 41A [Abstract]
Trypanosoma dionisii, attachment and entry to mouse peritoneal macrophages in vitro and involvement of membrane receptors, relative roles of non-specific and specific immunological factors in these processes need further clarification

Membranes
Liu, T. P.; and Davies, D. M., 1973, J. Protozool., v. 20 (5), 622-630
Thelohania bracteata, spore envelope during development, ultrastructural architecture and organization, freeze-etching technique

Membranes
McClean, S.; et al., 1976, Analyt. Chim. Acta, v. 82 (1), 175-185
phospholipid composition of normal and infected rhesus monkey erythrocyte membranes and of the parasite itself, Plasmodium knowlesi

Membranes
McLaren, D. J.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 292 [Demonstration]
Schistosoma mansoni, freeze fracture technique used to compare tegumental membranes of schistosomula recovered from hosts at various times up to 5 days with those maintained in culture for a comparable period; results suggest that tegumental membranes of cultured worms turn over more rapidly than those of worms in vivo and therefore question use of cultured worms for studies on membranes

Membranes
McLaren, D. J.; and Hockley, D. J., 1976, Parasitology, v. 73 (2), 169-187
Schistosoma mansoni, development of microvilli on tegument surface during cercaria/schistosomulum transformation

Membranes
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double outer membrane a characteristic feature only of blood flukes

Membranes
McLaren, D. J.; and Hockley, D. J., 1977, Nature, London (5624), v. 269, 147-149 [Letter]
blood flukes have double outer membrane consisting of two conventional lipid bilayers with differing properties, and it assists in protecting the parasite against immunological response of host whereas non-blood flukes have single trilaminate outer membrane (single lipid bilayer), electron microscopy

Membranes
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nature of cell junction between Nematocystis magna and an epithelial cell of its host Lumbricus terrestris

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Membranes
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Toxoplasma gondii, technique using latex microspheres to obtain purified membrane constituents for diagnostic antigens

Membranes
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Plasmodium chabaudi-infected erythrocytes examined using freeze fracture technique, nature of host-parasite interface

Membranes
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ultrastructure and origin of cyst wall in Toxoplasmatea

Membranes
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Schistosoma mansoni, surface membrane antigens, extraction and partial characterization using assays based on competitive inhibition of human antibodies binding to schistosomules, indirect fluorescent antibody inhibition assay, radioimmune inhibition assay

Membranes
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Dipetalonema viteae, adults, soluble somatic extracts, extracts of solubilized cuticles and membranes, fractionation by Sephadex column chromatography and polyacrylamide gel electrophoresis, constituents of each preparation compared by immunodiffusion and immunoelectrophoresis

Membranes
Njogu, A. R.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 147-148 [Abstract]
Trypanosoma brucei subgroup, evidence that 4S (surface) antigens located on outer surface of cell membrane

Membranes
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Hymenolepis diminuta, simple method for isolating enriched preparation of tegumental brush border

Membranes
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Membranes
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Ascaris suum, intestinal basement membrane, characterization of carbohydrate units

Membranes
Philippe, M.; and Cottin, R., 1976, J. Protozool., v. 23 (4), 17A [Abstract]
Gregarina blaberae, cell surface membrane, carbohydrates

Membranes
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Gregarina blaberae, proteins and glycoproteins of cortical membranes

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Membranes
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Membranes
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Romanomermis culicivorax, parasitic juveniles, morphological evidence of possible transport system for transcuticular uptake of nutrients

Membranes
Poston, R. N.; McCaul, T. F.; and Bird, R. G., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 112-113 [Demonstration]
Entamoeba histolytica, E. invadens, cytotoxic activity on labelled Chang cells, results indicate that amebic agent indirectly affects host cell membrane permeability by altering cell membrane architecture and strongly suggest that phospholipid alteration by phospholipase may be basis of loss of membrane integrity

Membranes
Rudzinska, M. A., 1976, J. Protozool., v. 23 (2), 224-233
intraerythrocytic Babesia microti, ultrastructure with emphasis on plasma membrane, feeding mechanism, and other areas of controversy

Membranes
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Babesia microti invades host erythrocyte through invagination of host plasma membrane with formation of parasitophorous vacuole, vacuolar space disappears and membrane of parasite and vacuole become closely adjacent, outer membrane then disintegrates

Membranes
Schrevel, J.; Philippe, M.; and Tronchin, G., 1975, J. Protozool., v. 22 (3), 68A [Abstract]
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Membranes
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Plasmodium berghei, limiting membranes of malaria parasites vs. those of host red cells, differential staining when exposed to positively charged iron colloid, cytochemical method to assay degree of host cell membrane contamination of "erythrocyte-free" malaria parasite preparations

Membranes
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Besnoitia jellisoni, development in macrophages and cysts from experimentally infected Mus musculus, results concerning origin and formation of inner complex of pellicle during endodyogeny indicate origin of inner membranes from endoplasmic reticulum

Membranes
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Entamoeba histolytica, cell fractionation study, isolation and electron microscopy of two membrane fractions, properties and distribution of marker enzymes, chemical analysis of fractions, electrophoretic patterns of membrane polypeptides, glucose transport

Membranes
Simon, M. W.; Rusnak, J. M.; and Mukkada, A. J., 1976, Exper. Parasitol., v. 39 (1), 51-58
Leishmania tropica promastigotes in vitro, sensitivity to toxic effects of bilirubin (loss of viability, decreased sugar and amino acid uptake, increased efflux of intracellular sugars, hexokinase activity, lowered respiration), results suggest irreversible damage to cell membrane, possible culture loss if bilirubin concentration of hemoglobin solution used is too high

Membranes
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Schistosoma mansoni, surface plasma membrane of schistosomulum as target of immune response, workshop report

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Membranes
de Souza, W.; Bunn, M. M.; and Angluster, J., 1976, J. Protozool., v. 23 (2), 329-333
Leptomonas pessoai, cell surface polysaccharides and/or glycoproteins demonstrated by agglutination with concanavalin A as well as cytochemical reactions

Membranes
Stevens, A. R.; et al., 1977, J. Protozool., v. 24 (2), 316-324
Acanthamoeba castellanii, A. culbertsoni, isolation and purity of plasma membrane antigens (electron microscopy, assays of marker enzymes), antisera raised against these antigens tested against homologous and heterologous Acanthamoeba spp. in agglutination and immunofluorescence tests, results strongly indicate value of plasma membrane antisera for immunotaxonomy and immunodiagnosis of Acanthamoeba

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Eimeria tenella, glycoprotein unique to cytoplasm of unsporulated oocyst, purification and partial characterization, disappearance from cytoplasm during sporulation, possible incorporation into sporozoite membranes, studies on possible role in immunity inconclusive

Membranes
Tetley, L.; and Vickerman, K., 1977, J. Protozool., v. 24 (4), 45A [Abstract]
Trypanosoma brucei, transformation from pleomorphic bloodstream forms to procyclic culture forms, freeze-fracture studies

Membranes
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changes in uninfected rhesus monkey erythrocytes incubated in vitro (osmotic fragility, acetylthiocholinesterase activity, glucose catabolism, ATP content) in relation to susceptibility of these cells to invasion by Plasmodium knowlesi, results suggest that maintenance of erythrocyte surface integrity is necessary prerequisite for efficient culture system for malaria parasite

Membranes
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Taenia crassiceps, cysticercus, presence of tegument surface glycocalyx, cytochemical characterization of membrane-associated carbohydrates, comparison with adult tapeworms

Membranes
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Hymenolepis diminuta, evidence for sodium ion exchange carrier linked with glucose transport across brush border, proposed model for glucose transport system

Membranes
Vercelli-Retta, J.; et al., 1975, Ztschr. Parasitenk., v. 48 (1), 15-23
Echinococcus granulosus, hydatid cysts from human and bovine lungs, germinal membrane, histochemistry and histoenzymology, enzymes, lipids, metabolic pathways, possible endocrine system; possible future pharmacological studies for interference with parasite development

Membranes
van Vliet, H. H. D. M.; et al., 1976, J. Cell Biol., v. 71 (2), 357-369
Entamoeba invadens, procedure for subcellular fractionation, isolation of phagolysosomal and plasma membranes, characterization (enzymes, lipids, morphology)

Membranes
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Schistosoma mansoni tegument, formation and turnover of membranocalyx, possible significance in evasion of immune response

Meningitis
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Naegleria fowleri, differential diagnosis and treatment of human meningitis

Meningitis
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Angiostrongylus cantonensis as possible cause of human cases of eosinophilic meningitis, immunoglobulins and leucocytes in blood and cerebrospinal fluid, antibody to A. cantonensis, evidence for specific immune response, history of eating raw Achatina fulica

Meningitis
Danjou, R.; et al., 1975, Acta Trop., v. 32 (4), 389-391
10-year-old child with allergic and neurologic manifestations developing into eosinophilic meningitis, diagnosed by immunoelectrophoresis as Hypoderma lineatum, Mintezol treatment: from United States, extensive travel in France and Germany

Meningitis
Dobson, C.; and Welch, J. S., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 223-228
survey for antibodies against Dirofilaria immitis, Toxocara canis, Ascaris suum, Angiostrongylus cantonensis, A. mackerrasae, in patients with eosinophilia using fluorescent antibody test and passive reversed Arthus test in guinea pigs; D. immitis implicated as etiologic agent of human eosinophilic meningitis: Australia

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Meningitis
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endemic foci of eosinophilic meningitis in humans suggestive of Angiostrongylus origins: Laos

Meningitis
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Hypoderma sp. causing subcutaneous myiasis on face of child and neurologic manifestations of meningitis, clinical case report: Paris, France

Meningitis
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human eosinophilic meningitis caused by Angiostrongylus cantonensis, possible transmission through contaminated food, public health program, improved sanitation as control measures: South Pacific Islands

Meningitis
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Trichomonas sp. isolated from cerebrospinal fluid of man with mixed microbial meningitis, case report of possible communication between subarachnoid space and gastrointestinal tract as probable source of contamination: New York

Meningitis
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Angiostrongylus cantonensis, life cycle, cause of human eosinophilic meningitis

Meningitis
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development in humans of acute inflammatory polyradiculoneuritis 1-11 weeks after history of tick bite, 9 case reports, exact etiology unknown: France

Meningitis
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Angiostrongylus cantonensis living 5th-stage female discovered in spinal fluid of man with eosinophilic meningitis: Thailand

Meningitis
Owor, R.; and Wamukota, W. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 497-499
Strongyloides stercoralis in man, fatal overwhelming strongyloidiasis associated with pyogenic meningitis and presence of larvae in meninges, probably depression of cellular immunity (unknown cause) contributed to fatal infection: Uganda

Meningitis
Picot, H.; et al., 1975, Acta Trop., v. 32 (4), 381-383
2 case reports of human eosinophilic meningitis indicate possible presence of Angiostrongylus cantonensis, larvae from Achatina fulica (hepatopancreas, muscles pedieux) used to infect rats produced 4th stage larvae of Angiostrongylus sp.: Ile de la Reunion

Meningitis
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human eosinophilic meningitis caused by Angiostrongylus cantonensis, case reports, clinical aspects, dehydroemetine treatment: Nouvelle-Caledonie

Meningitis
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Meningitis
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case report of eosinophilic meningitis probably resulting from Angiostrongylus cantonensis, condition improved after course of thiabendazole: New South Wales

Meningitis
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Meningitis
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Meningitis
Yii, C.-Y., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 233-249
Angiostrongylus cantonensis, human, eosinophilic meningitis and meningoencephalitis, extensive clinical study of 125 patients with 16 case reports: Taiwan

Meningitis
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epidemiologic characteristics of human eosinophilic meningitis and meningoencephalitis probably caused by Angiostrongylus cantonensis being inadvertently ingested during preparation of snails for consumption: Taiwan

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Meningoencephalitis
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first reported case of human eosinophilic meningoencephalitis in West Malaysia, history of eating raw prawns and salad greens, diagnosis, case report: Kuala Lumpur

Meningoencephalitis
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Naegleria, primary meningoencephalitis

Meningoencephalitis
Cursons, R. T. M.; and Brown, T. J., 1976, N. Zealand J. Marine and Freshwater Research, v. 10 (2), 245-262
pathogenic free-living amebae, identification, classification, agents of primary amebic meningo-encephalitis

Meningoencephalitis
Dinakar, I.; Mathai, K. V.; and Chandy, J., 1970, Neurol. India, v. 18 (3), 165-170
human cerebral cysticercosis, frequent complications, case reports: India

Meningoencephalitis
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cerebral nematodiasis (probably Strongylus vulgaris), donkeys, possible cause of haemorrhagic, purulent and necrotizing meningoencephalitis

Meningoencephalitis
Hayashi, M.; and Wakao, T., 1974, No To Shinkei (Brain and Nerve), v. 26 (6-7), 657-662
human cerebral Schistosoma japonicum, 5 case reports, epilepsy, meningoencephalitis and other presenting symptoms, clinical management, EEG findings: Japan

Meningoencephalitis
Jadin, J. B.; Hermanne, J.; and Willaert, E., 1972, Medecine et Malad. Infect., v. 2 (5), 205-210
Naegleria fowleri, human meningoencephalitis, case reports, diagnosis using spinal fluid inoculation into mouse brain and nasal instillation, need for prophylactic measures in addition to amphotericin B treatment

Meningoencephalitis
Jadin, J. B.; and Willaert, E., 1972, Protistologica, v. 8 (1), 95-100
Naegleria gruberi, isolation from 3 human cases of primary amoebic meningo-encephalitis, characteristics different from Naegleria isolated in swimming pools or in nature, theory about process by which pathogenicity is acquired, suggestions for control in swimming pools; literature review of cases of primary amoebic meningo-encephalitis: Anvers, Belgique

Meningoencephalitis
John, D. T.; and Martinez, A. J., 1975, J. Protozool., v. 22 (3), 39A [Abstract]
Naegleria fowleri, experimental primary amebic meningoencephalitis in mice inoculated intravenously

Meningoencephalitis
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clinical aspects and presenting symptoms of human eosinophilic meningoencephalitis caused by rat lungworm Angiostrongylus cantonensis and speculation as to similar infection by Angiostrongylus malaysiensis indigenous to Malaysia, probable disease transmission through raw or inadequately cooked food

Meningoencephalitis
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survey for Angiostrongylus cantonensis infected wild rodents and land molluscs and contaminated leaf lettuce, probable sources of human meningoencephalitis in Malaysia

Meningoencephalitis
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Rhodesian sleeping sickness, nitrofurazone as primary therapy, good results without severe toxic reactions, warrants further careful trials as initial therapy for trypanosomal meningo-encephalitis

Meningoencephalitis
Maitra, S. C.; et al., 1976, Internat. J. Parasitol., v. 6 (6), 489-493
Naegleria aerobia, Hartmannella culbertsoni, comparison of ultrastructural characteristics in brain of mice with exper. primary amoebic meningoencephalitis, possible relationship of structure to pathogenicity

Meningoencephalitis
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amebic meningoencephalitides, electron microscopy, differential diagnosis, embedding and staining technique

Meningoencephalitis
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Naegleria fowleri as cause of primary amoebic meningoencephalitis in humans, clinical aspects, importance of diagnostic differentiation from Entamoeba histolytica

Meningoencephalitis
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Meningoencephalitis
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Naegleria fowleri in man with resulting meningoencephalitis, case report, history of swimming in natural thermal pool, fatal illness: New Zealand

Meningoencephalitis
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pancarditis resulting from human African trypanosomiasis, review of pathologic findings, importance as cause of congestive cardiomyopathies, association with chronic meningoencephalitis

Meningoencephalitis
Ringsted, J.; et al., 1976, Am. J. Clin. Path., v. 66 (4), 723-730
disseminated amebic meningoencephalitis probably due to Acanthamoeba sp., visceral and subcutaneous amebic granulomas discovered at autopsy, child: Korea

Meningoencephalitis
Schuster, F. L.; and Dunnebacke, T. H., 1977, J. Protozool., v. 24 (4), 489-497
Naegleria fowleri, mice, ultrastructural observations of experimental meningoencephalitis, intranuclear inclusions in amebae and host cells

Meningoencephalitis
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Toxoplasma gondii, disease patterns in methotrexate-treated mice, examination of several time- and dose-dependent drug regimes, immunosuppressive effect when administered early in infection, potential use as experimental model for clinical toxoplasmosis

Meningoencephalitis
Stevens, D. R.; and Moulton, J. E., 1977, J. Comp. Path., v. 87 (1), 109-118
Trypanosoma equiperdum and T. brucei in Peromyscus maniculatus (exper.), meningoencephalitis, model for human trypanosomal encephalitis

Meningoencephalitis
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Hartmannella sp. causing fatal primary subacute amoebic meningoencephalitis in young man previously without symptoms of infections, clinical case report: Lima, Peru

Meningoencephalitis
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Naegleria fowleri, pathogenesis in mice and in monkey kidney cell cultures, observations show that amebas invade and destroy brain tissue by active phagocytosis

Meningoencephalitis
Willaert, E.; and Stevens, A. R., 1976, Path. Biol., v. 24 (8), 545-547
Acanthamoeba castellanii, A. culbertsoni, humans, fatal meningoencephalitis, case reports, indirect immunofluorescence diagnosis at post-mortems: Texas; Peru; Venezuela

Meningoencephalitis
Wong, M. M.; Karr, S. L., jr.; and Balamuth, W. B., 1975, J. Parasitol., v. 61 (4), 682-690
Acanthamoeba culbertsoni, susceptibility in Old World monkeys, no disease resulting from intranasal or intravenous inoculation, fatal meningoencephalitis in 4 of 7 monkeys inoculated intrathecally, virulence and pathogenicity vary with cultural age of inoculum, size of inoculum, passages through animal tissues, and host-immune competence

Meningoencephalitis
Yii, C.-Y., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 233-249
Angiostrongylus cantonensis, human, eosinophilic meningitis and meningoencephalitis, extensive clinical study of 125 patients with 16 case reports: Taiwan

Meningoencephalitis
Yii, C. Y.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 447-454
epidemiologic characteristics of human eosinophilic meningitis and meningoencephalitis probably caused by Angiostrongylus cantonensis being inadvertently ingested during preparation of snails for consumption: Taiwan

Meningoencephalomyelitis
Ikede, B. O.; and Losos, G. J., 1972, Bull. Epizoot. Dis. Africa, v. 20 (3), 221-228
Trypanosoma brucei, dog, case report, diffuse non-suppurative meningo-encephalomyelitis associated with presence of large numbers of trypanosomes in brain, meninges and choroid plexus: Nigeria (imported from Britain)

Meningomyelitis
Engel, H.; et al., 1972, Medicina Alemana, v. 13 (6), 826-837
case report of acute meningomyelitis in young man apparently associated with visceral larva migrans of Toxocara canis: Spain

Mental disorders
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Toxoplasma gondii, survey of microcephalic, mentally retarded and normocephalic children for evidence of Toxoplasma antibodies, no correlation between abnormality and serologic findings

Mental disorders
de Groot, J. F. M.; et al., 1976, Nederl. Tijdschr. Geneesk., v. 120 (51), 2263-2267
Trichuris trichiura, Ascaris lumbricoides and Entamoeba histolytica, fecal survey of nursing staff and inmates of hospital for mentally retarded for presence of intestinal parasites: Groot Schuylenburg, Apeldoorn, Netherlands

Mental disorders
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clinical review and management of 2 human cases of falciparum malaria presenting with psychiatric symptoms: Canada

Mental disorders
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Sarcophaga, human cutaneous myiasis, case histories, mental retardation and senility: territory of Treviso

Mental disorders
Schenone, H.; et al., 1970, Bol. Chileno Parasitol., v. 25 (3-4), 138-140
toxoplasmosis, incidence among patients in psychiatric hospital, 73.4% positive reactions to hemagglutination test in 442 patients tested: Santiago, Chile

Mental disorders
Schenone, H.; et al., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 109-111
Toxoplasma gondii, preliminary studies suggest that congenital toxoplasmosis not frequent cause of mental deficiency: Chile

Mental disorders
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psychiatric morbidity in a tropical diseases unit: Hospital for Tropical Diseases, London

Metabolism. [See also Amino acids; Biochemistry; Carbohydrates; Enzymes; Histochemistry; Hormones; Lipids; Nucleic acids; Prostaglandins; Proteins; Respiration]

Metabolism
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S[chistosoma] mansoni, S. haematobium, rural children, disordered tryptophan metabolism, vitamin deficiency

Metabolism
Aboko-Cole, G. F.; and Lee, C. M., 1975, Ztschr. Parasitenk., v. 47 (2), 71-77
Trypanosoma rhodesiense, T. lewisi, rats on normal or folic acid deficient diets, mitotic activity in liver; folate content of trypanosomes and their metabolic products

Metabolism
Agosin, M.; et al., 1976, Science (4261), v. 194, 195-197
Trypanosoma cruzi epimastigotes possess active detoxifying system whose characteristics are those of monooxygenase system linked to P-450 and whose activity is increased by phenobarbital, results suggest that important factor in T. cruzi's insensitivity to chemotherapeutic agents may be this ability to metabolize foreign compounds

Metabolism
Albach, R. A.; et al., 1974, J. Protozool., v. 21 (3), 439 [Abstract]
Entamoeba histolytica, nuclear DNA synthesis

Metabolism
Albach, R. A.; et al., 1977, Exper. Parasitol., v. 42 (1), 248-259
Entamoeba histolytica, nuclear sites of RNA synthesis, autoradiographic analysis

Metabolism
Albach, R. A.; Booden, T.; and Downing, S. W., 1974, J. Protozool., v. 21 (3), 435 [Abstract]
Entamoeba histolytica, site of synthesis of nuclear RNA (nuclear stroma and especially peripheral chromatin)

Metabolism
Al Chalabi, K.; and Gutteridge, W. E., 1974, J. Protozool., v. 21 (3), 449
Crithidia fasciculata, thymine excretion

Metabolism
Al Chalabi, K.; and Gutteridge, W. E., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 146 [Abstract]
Trypanosoma spp., Crithidia fasciculata, C. oncopelti, thymidine phosphorylase activity, salvage pathways, inhibition of activity by suramin and ethidium

Metabolism
Al Chalabi, K.; and Gutteridge, W. E., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 268 [Abstract]
Crithidia fasciculata, activity of thymidylate phosphatase

Metabolism
Al Chalabi, K.; and Gutteridge, W. E., 1976, Parasitology, v. 73 (2), xv-xvi [Abstract]
6 spp. of Trypanosomatidae, thymidylate synthetase activity, ranks as potential target for chemotherapeutic attack since it is markedly more sensitive to suramin inhibition than isofunctional mammalian and bacterial enzymes

Metabolism
Al Chalabi, K.; and Gutteridge, W. E., 1977, Parasitology, v. 74 (3), 299-312
deoxythymidylate catabolism in some trypanosomatids

Metabolism
Anderson, G., 1977, Marine Biol., v. 42 (3), 239-251
Probopyrus pandalicola, energy flow in parasitized and unparasitized laboratory Palaemonetes pugio population, secondary reproduction, metabolism, ingestion and egestion; temperature, season, host age, sex, and reproductive condition, effect on energetics of host-parasite systems

Metabolism
Annabaeva, G. D.; and Soprunov, F. F., 1975, Ang. Parasitol., v. 16 (3), 170-177
activity of phosphoenolpyruvate carboxykinase in subcellular fractions of Ascaris suum and Fasciola hepatica tissues, radioisotope and spectrophotometric methods, biological role in metabolism of helminths

Metabolism
Anwar, N.; et al., 1977, Ztschr. Parasitenk., v. 51 (3), 275-283
Setaria cervi, enzymes of glycolysis and PEP-succinate pathway

Metabolism
Anwar, N.; Ansari, A. A.; and Ghatak, S., 1976, Proc. Indian Nat. Sc. Acad., Part B, Biol. Sc., v. 41 (6), 1975, 550-558
Setaria cervi, hexose utilization and glycogen synthesis in vitro

Metabolism
Anya, A. O., 1976, Advances Parasitol., v. 14, 267-351
physiological aspects of reproduction in nematodes, extensive review: range of reproductive phenomena; reproductive system; male and female gametes; physiology of fertilization; development; sex differentiation; nutrition and other factors in egg production; behavioural aspects of reproduction; reproductive phenomena and parasitism

Metabolism
Aoki, T.; et al., 1975, Proc. Japan Acad. Tokyo, v. 51 (9), 733-736
Ascaris lumbricoides var. suis ovary, demonstration of glutamine-dependent carbamoylphosphate synthetase, catalytic and regulatory properties

Metabolism
Areekul, S.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (2), 201-209
Ancylostoma ceylanicum, A. caninum, hookworm anemia in dogs (exper.) influenced by their iron reserve and dietary iron, no difference between effects of hookworm infection on iron metabolism in dogs with normal and deficient iron reserves

Metabolism
Areekul, S.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 455-461
Plasmodium coatneyi, metabolism of ^{131}I-labelled fibrinogen in infected rhesus monkeys (exper.) and comparison with normal controls

Metabolism
Areekul, S.; Devakul, K.; and Boonyananta, C., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 585 [Demonstration]
hookworm, iron storage in infected humans compared with that of normal controls, results showed that iron excretion in urine of infected persons was less than that of controls

Metabolism
Atkinson, H. J., 1976, Organ. Nematodes (Croll), 243-272
respiratory physiology of nematodes, review: diffusion of oxygen into nematodes; factors influencing oxygen demand; oxygen availability; respiration in low oxygen regimes; respiratory function of haemoglobin in nematodes

Metabolism
Awadalla, H. N.; El-Fiky, R.; and Helmi, A. M., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 410-411 [Letter]
Schistosoma mansoni, mice (exper.), possible cause of disturbance in host carbohydrate metabolism

Metabolism
Ball, G. H.; and Chao, J., 1976, Exper. Parasitol., v. 39 (1), 115-118
Plasmodium relictum, utilization of amino acids by developing oocysts in presence of metabolizing insect cells

Metabolism
Barrett, J., 1976, Organ. Nematodes (Croll), 11-70
energy metabolism in nematodes, extensive review

Metabolism
Barrett, J., 1977, Symposia Brit. Soc. Parasitol., v. 15, pp. 121-144
helminths, metabolic changes associated with infection, metabolism of adults vs. free-living stages compared, symposium presentation

Metabolism
Barrett, J.; Coles, G. C.; and Simpkin, K. G., 1976, Parasitology, v. 73 (2), xx [Abstract]
Fasciola hepatica, pathway of acetate and propionate production

Metabolism
Barrett, J.; and Koerting, W., 1976, Internat. J. Parasitol., v. 6 (2), 155-157
Fasciola hepatica adults, presence of all enzymes of β-oxidation sequence, but inability to oxidize exogenous palmitate indicates β-oxidation pathway not functional, possible roles for enzymes in metabolism

Metabolism
Barrett, J.; and Koerting, W., 1977, Internat. J. Parasitol., v. 7 (5), 419-422
Schistocephalus solidus plerocercoids, despite presence of all enzymes of β-oxidation this pathway is not functional

Metabolism
Bassal, T. T. M., 1977, J. Parasitol., v. 63 (4), 758-759
Hyalomma dromedarii, female ticks during oogensis and oviposition, demonstration of guanine biosynthesis

Metabolism
Becker, W.; and Schmale, H., 1976, Ztschr. Parasitenk., v. 50 (2), 195
Schistosoma mansoni-infected Biomphalaria glabrata with discontinued food supply, raised excretion of urea

Metabolism
Benard, J.; and Riou, G., 1977, Biochem. and Biophys. Research Commun., v. 77 (4), 1189-1195
Trypanosoma cruzi, 9-hydroxy ellipticine and ethidium bromide inhibit the transcription of kinetoplast DNA by E. coli RNA polymerase

Metabolism
Bennett, C. E., 1976, Parasitology, v. 73 (2), xx-xxi [Abstract]
Fasciola hepatica, newly excysted and juvenile flukes, [^{3}H]thymidine incorporation

Metabolism
Berens, R. L.; and Marr, J. J., 1977, Exper. Parasitol., v. 43 (2), 407-413
Leishmania donovani, L. brasiliensis, pyruvate kinase, regulatory properties in relation to regulation of glycolysis, comparison with Crithidia fasciculata

Metabolism
Berens, R. L.; and Marr, J. J., 1977, J. Protozool., v. 24 (2), 340-344
Leishmania donovani, L. braziliensis, phosphofructokinase probably does not play an important role in glycolysis

Metabolism
Betterton, H.; Almond, C.; and Dowda, H., 1976, Exper. Parasitol., v. 40 (1), 25-32
Trichomonas gallinae, lactic dehydrogenase, characterization, some regulatory properties

Metabolism
Betterton, H.; and Dowda, H., 1976, Comp. Biochem. and Physiol., v. 54 (1B), 163-165
Trichomonas gallinae, lack of functioning tricarboxylic acid cycle, energy apparently obtained from anaerobic fermentation

Metabolism
Bhattacharya, A.; and Janovy, J., jr., 1974, J. Protozool., v. 21 (3), 429 [Abstract]
Leishmania donovani, autoradiographic evidence for DNA, RNA, and protein synthesis at elevated temperature

Metabolism
Billups, M. E.; Johns, R. W.; and Dimopoullos, G. T., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 19-21
Anaplasma marginale-infected calf erythrocytes, amino acid and nucleic acid metabolism

Metabolism
Bobiatynska-Ksok, E.; and Czerpak, R., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 121-125
Echinostoma revolutum rediae and Opisthioglyphe ranae sporocysts in hepatopancreas of Radix auricularia, carotenoids in flukes, bilirubin and glaucobilin type bile pigments and carotenoids in host hepatopancreas, possible relationships; no essential differences in pigments of infected and non-infected hosts

Metabolism
Boemare, N.; and Maurand, J., 1976, Bull. Soc. Zool. France, v. 101 (3), 377-385
Thelohania fibrata, Pleistophora debaisieuxi, respiratory metabolism of healthy and infected Tetisimulium bezzii larvae compared

Metabolism
Bogitsh, B. J., 1975, J. Parasitol., v. 61 (4), 621-626
Schistosoma mansoni, miracidium, distribution of peroxidase activity in mitochondria, no peroxidase activity observed in mitochondria of other life cycle stages, biological implications

Metabolism
de Boiso, J. F.; and Stoppani, A. O. M., 1973, J. Protozool., v. 20 (5), 673-678
Trypanosoma cruzi, oxidation of pyruvate and acetate through tricarboxylic acid cycle, involves antimycin A-sensitive respiratory chain

Metabolism
Bonner, T. P.; Evans, K.; and Kline, L., 1976, Internat. J. Parasitol., v. 6 (6), 473-477
Nippostrongylus brasiliensis, role of gene expression in regulating cuticle formation during second molt, results strongly suggest that messenger RNA specific for molting was synthesized at 90 hours

Metabolism
Booden, T.; Boonlayangoor, P.; and Albach, R. A., 1975, J. Protozool.; v. 22 (3), 14A [Abstract]
Entamoeba histolytica, pyrimidine metabolism

Metabolism
Booden, T.; Boonlayangoor, P.; and Albach, R. A., 1975, J. Protozool., v. 22 (3), 14A [Abstract]
Entamoeba histolytica, time of optimum uptake of uracil and thymine vs. uridine and thymidine

Metabolism
Booden, T.; Boonlayangoor, P.; and Albach, R. A., 1976, J. Parasitol., v. 62 (4), 641-643
axenically grown Entamoeba histolytica, incorporation of purines and pyrimidines into nucleic acids

Metabolism
Booden, T.; Boonlayangoor, P.; and Albach, R. A., 1976, J. Protozool., v. 23 (2), 20A-21A [Abstract]
Entamoeba histolytica axenically grown, mechanisms of purine and pyrimidine transport

Metabolism
Booden, T.; Shaffer, J. G.; and Albach, R. A., 1974, J. Protozool., v. 21 (3), 428-429 [Abstract]
Entamoeba histolytica, pyrimidine nucleotide anabolism

Metabolism
Boveris, A.; and Stoppani, A. O. M., 1977, Experientia, v. 33 (10), 1306-1308
Trypanosoma cruzi, generation of hydrogen peroxide by epimastigotes and fractions, superoxide dismutase activity in epimastigote homogenates, possible application of findings to search for trypanocidal drugs

Metabolism
Brohn, F. H., 1974, J. Protozool., v. 21 (3), 434 [Abstract]
Plasmodium lophurae, enzymes required for coenzyme A biosynthesis detected in host duck erythrocytes but parasite extracts show no activity, coenzyme A required by parasite is synthesized entirely in host erythrocyte

Metabolism
Brown, A. R.; Crandall, R. B.; and Crandall, C. A., 1976, J. Parasitol., v. 62 (1), 169-171
Heligmosomoides polygyrus-infected mice, increased IgG catabolism as possible factor in observed suppression of circulating antibody levels following immunization to sheep erythrocytes

Metabolism
Brown, J. N.; and Smith, T. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 356-357
Schistosoma japonicum, phosphodiesterase activity in adults

Metabolism
Browning, R. F.; Patton, W. H.; and Lytle, C. F., 1976, Exper. Parasitol., v. 39 (2), 195-203
Eimeria tenella-infected kidney cell cultures, increased incorporation of tritium-labeled thymidine in both parasitized and unparasitized cells, apparent parasite-induced stimulation of DNA synthesis

Metabolism
Bryant, C., 1975, Advances Parasitol., v. 13, 35-69
carbon dioxide utilisation and regulation of respiratory metabolic pathways in parasitic helminths, extensive review

Metabolism
Buengener, W., 1974, Tropenmed. u. Parasitol., v. 25 (3), 309-312
Plasmodium berghei, P. vinckei, P. chabaudi, mice, rats, allopurinol stimulated multiplication of plasmodia and infections caused death more rapidly or in more animals, this effect could result from hypoxanthine concentration being limiting factor for parasite multiplication, in these parasite-host combinations host-purine-dependent parasites would have a selective advantage over non-dependent ones

Metabolism
Caceres, O.; and Fernandes, J. F., 1976, Rev. Brasil. Biol., v. 36 (2), 397-410
Trypanosoma cruzi, glucose metabolism, culture under fixed conditions, growth and differentiation

Metabolism
Cain, G. D., 1976, Exper. Parasitol., v. 40 (1), 112-115
Ascaris lumbricoides gut, muscles, and eggs, coproporphyrinogen oxidase activity, results suggest that porphyrin synthesis may be maintained at low levels due to continual feedback inhibition by protoheme

Metabolism
Camargo, E. P.; and Freymuller, E., 1977, Nature, London (5632), v. 270, 52-53
Crithidia, presence of ornithine carbamoyltransferase in species harboring bacteria-like endosymbionts (C. deanei, C. oncopelti) enables these species to synthesize arginine from ornithine thereby conferring a nutritional advantage on the protozoan host

Metabolism
Cazzulo, J. J.; Juan, S. M.; and Segura, E. L., 1977, Comp. Biochem. and Physiol., v. 56 (3B), 301-303
Trypanosoma cruzi, glutamate dehydrogenase, aspartate aminotransferase, presence and some properties

Metabolism
Cerkasov, J.; et al., 1974, J. Protozool., v. 21 (3), 454-455 [Abstract]
T[ritrichomonas] foetus, ATP forming systems in hydrogenosomes

Metabolism
Cerkasovova, A.; et al., 1973, J. Protozool., v. 20 (4), 535
Tritrichomonas foetus, large granule fraction, biochemical characterization, importance in energy-producing metabolism

Metabolism
Cerkasovova, A.; et al., 1977, J. Protozool., v. 24 (4), 49A-50A [Abstract]
nature of phosphorylation in hydrogenosomes

Metabolism
Cerkasovova, A.; Cerkasov, J.; and Kulda, J., 1975, J. Protozool., v. 22 (3), 59A-60A [Abstract]
trichomonads, hydrogenosomes, biochemical properties

Metabolism
Cha, Y. N.; and Edwards, R., 1976, J. Pharmacol. and Exper. Therap., v. 199 (2), 432-440
Schistosoma mansoni, mice, effect of infection on hepatic drug-metabolizing capacity, implications for metabolism of antischistosomal drugs

Metabolism
Chakraborty, A. K.; Mehta, R. K.; and Datta, I. C., 1976, Indian J. Exper. Biol., v. 14 (5), 585-587
Ascaridia galli, tetramisole, carbohydrate utilization, neuro-transmission, enzymatic activity

Metabolism
al Chalabi, K.; and Gutteridge, W. E., 1975, J. Protozool., v. 22 (3), 49A [Abstract]
Trypanosoma cruzi, deoxythymidylate catabolism

Metabolism
Chapman, W. E.; and Ward, P. A., 1976, J. Immunol., v. 116 (5), 1284-1288
Babesia rodhaini-infected rats, metabolism of third component of complement and IgG, development of hypocomplementemia and immune complex nephritis

Metabolism
Cheng, T. C., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 2-17
uptake mechanisms and metabolic interference in parasites in relation to chemotherapy, review

Metabolism
Cherry, L. M., 1976, Insect Biochem., v. 6 (6), 587-594
Boophilus microplus, utilization of cholesterol, cholesterol economy in the engorged female adult

Metabolism
Chiang, P. K., 1977, Comp. Biochem. and Physiol., v. 58 (1B), 9-12
Biomphalaria glabrata, glycogen metabolism, implications for host-parasite (Schistosoma mansoni) relationship

Metabolism
Clarkson, A. B., jr.; and Brohn, F. H., 1976, Science (4261), v. 194, 204-206
Trypanosoma brucei brucei, T. brucei rhodesiense, mice, salicyl hydroxamic acid + glycerol block glucose catabolism of the parasite and it is rapidly destroyed but parasitemia recurs after treatment, with modification may be new approach to trypanosome chemotherapy

Metabolism
Coles, G. C.; and Simpkin, K. G., 1977, Internat. J. Parasitol., v. 7 (2), 127-128
Hymenolepis diminuta, metabolic gradient under aerobic conditions, first 2 cm produce more lactate and acetate and less succinate than main part of worm, front will use more oxygen per g protein than more mature segments

Metabolism
Coles, G. C.; Simpkin, K. G.; and Barrett, J., 1976, Parasitology, v. 73 (2), xx [Abstract]
Fasciola hepatica, energy production

Metabolism
Condon, W. J.; and Gordon, R., 1977, Canad. J. Zool., v. 55 (4), 690-692
Mermis nigrescens in Locusta migratoria, hemolymph uric acid increased, fecal uric acid decreased, host protein turnover

Metabolism
Condon, W. J.; and Gordon, R., 1977, J. Invert. Path., v. 29 (1), 56-62
Neomesomermis flumenalis, effects on neuroendocrine systems and storage of fat body glycogen in larval Prosimulium mixtum fuscum and Simulium venustum

Metabolism
Conklin, K. A.; et al., 1973, J. Protozool., v. 20 (5), 683-688
Plasmodium knowlesi, intraerythrocytic stages, incorporation of nucleic acid precursors, periodicity of DNA synthesis

Metabolism
Conklin, K. A.; and Chou, S. C., 1970, Science (3963), v. 170, 1213-1214
4 antimalarials, effects on in vitro and in vivo protein synthesis, results indicate primary effect is inhibition of amino acid uptake rather than direct inhibition of protein synthesis

Metabolism
Cook, G. C., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (6), 419-436
role of Giardia lamblia, Strongyloides stercoralis and possibly other intestinal parasites in producing malabsorption in Africans

Metabolism
Cook, G. C., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 143-145
Plasmodium falciparum, P. malariae in humans, possible correlations between malarial infection, host malnutrition and immunoglobulin G concentrations

Metabolism
Coombs, G. H.; and Gutteridge, W. E., 1975, J. Protozool., v. 22 (4), 555-560
Plasmodium vinckei chabaudi rat-adapted strain, in vitro system (based on rocker dilution technic) that supports intraerythrocytic growth from ring to schizont stages, some reinvasion obtained but associated with decrease in parasite numbers, lactate production, glucose utilization, ^{3}H-leucine and ^{3}H-adenosine incorporation

Metabolism
Cornford, E. M., 1977, Iowa State J. Research, v. 52 (2), 271-276
Hymenolepis diminuta, development in rats fed parenterally compared with tapeworm development in similarly infected rats fed orally; tapeworms from orally fed animals consistently larger and of greater mass than those from parenterally fed rats; possible causes discussed

Metabolism
Cornford, E. M.; et al., 1973, J. Protozool., v. 20 (4), 503
Trypanosoma lewisi, in vivo and in vitro effects of hyperglycemic and hypoglycemic agents

Metabolism
Cornford, E. M.; et al., 1975, Gen. Pharmacol., v. 6 (4), 315-323
Trypanosoma lewisi, effects of altered blood glucose levels in vivo (rats), effects of hypoglycemic and hyperglycemic agents on glucose metabolism in vitro

Metabolism
Cornish, R. A.; et al., 1977, Internat. J. Parasitol., v. 7 (3), 217-220
Fasciola hepatica, in vivo effects of rafoxanide on energy metabolism

Metabolism
Cornish, R. A.; and Bryant, C., 1976, Internat. J. Parasitol., v. 6 (5), 387-392
Fasciola hepatica, levels of metabolic intermediates and end products after 24 and 48 hrs in Hedon-Fleig salt solution with added glucose compared with levels obtained immediately on removal from host, implications for metabolic regulation, concluded that for at least 48 hrs in vitro energy metabolism is not adversely affected

Metabolism
Cornish, R. A.; and Bryant, C., 1976, Internat. J. Parasitol., V. 6 (5), 393-398
Fasciola hepatica maintained in vitro, effects of rafoxanide, nitroscanate, and mebendazole on oxidative pathways

Metabolism
Cosgrove, W. B.; and Hajduk, S. L., 1975, J. Protozool., v. 22 (3), 26A [Abstract]
Trypanosoma equiperdum, inhibition of membrane transport of glucose by 2-deoxy-D-glucose, loss of motility, morphology, and infectivity, unsuccessful attempt to use in controlling established infections

Metabolism
Cowper, S. G., 1974, Ann. Trop. Med. and Parasitol., v. 68 (4), 415-425
continuous flow apparatus for in vitro maintenance: Schistosoma mansoni, S. haematobium, survival time, carbohydrate metabolism; Plasmodium knowlesi, morphology and carbohydrate metabolism; preliminary attempts to cultivate Trypanosoma vivax and Babesia canis

Metabolism
Cristau, B.; Placidi, M.; and Legait, J. P., 1975, Medecine Trop., v. 35 (5), 389-401
human trypanosomiasis, melarsoprol metabolism and amount of excretion in urine and feces

Metabolism
Cross, G. A. M.; and Klein, R. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 266-267 [Abstract]
Trypanosoma brucei, utilization of amino acids and glucose during growth in culture, effects on respiration

Metabolism
Cross, G. A. M.; Klein, R. A.; and Baker, J. R., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 513-514
Trypanosoma cruzi, cultivation in defined medium HX25 or HX25M, amino acid utilization, growth inhibition by tetraethylthiuram disulphide

Metabolism
Cuperlovic, K., 1975, Acta Vet. Beograd, v. 25 (5), 219-227
Fasciola hepatica, uptake and incorporation of ^{75}Se-L-selenomethionine and ^{14}C-L-lysine into protein antigens

Metabolism
Czerpak, R., 1970, Acta Parasitol. Polon., v. 17 (20-38), 285-292
Trichinella spiralis larvae, mice given goldthioglucose and vitamin A, oxygen uptake by diaphragm muscles, influence of host sex and age

Metabolism
Daggett, P. M.; and Decker, J. E., 1973, J. Protozool., v. 20 (4), 512
6 insect trypanosomatids, increased survival in mice with repeated passage associated with alteration in secretion

Metabolism
Daggett, P. M.; and Decker, J. E., 1974, J. Protozool., v. 21 (3), 429 [Abstract]
comparison of excreted factors of insect trypanosomatids at 25 C vs. 37 C, results indicate secretion products are primarily under parasite not host control

Metabolism
Dargie, J. D., 1975, Symposia Brit. Soc. Parasitol., v. 13, 1-26
helminth diseases of sheep, red cell and plasma protein metabolism, anaemia, applications of radioisotopic methods, extensive review with particular emphasis on Fasciola hepatica and Haemonchus contortus

Metabolism
Dave, D.; Gutteridge, W. E.; and Richards, W. H. G., 1975, J. Protozool., v. 22 (3), 50A-51A [Abstract]
Crithidia fasiculata vs. rat liver, difference in mechanism for conversion of dihydroorotate to orotate

Metabolism
Dave, D.; Gutteridge, W. E.; and Richards, W. H. G., 1976, Parasitology, v. 73 (2), xvii [Abstract]
Plasmodium spp., conversion of dihydroorotate to orotate, activities were irreversible, required O_2, and were inhibited by CN^- and Antimycin A, no involvement of reduced pteridines or pyridine nucleotides detected, this area of metabolism may be important site for selective drug action

Metabolism
Decker, J. E.; and Daggett, P. M., 1974, J. Protozool., v. 21 (3), 429 [Abstract]
Leishmani donovani, L. mexicana, comparison of composition of excretion factors

Metabolism
Decker, J. E.; Schrot, J. R.; and Levin, G. V., 1977, J. Protozool., v. 24 (3), 463-470
Leishmania spp., radiorespirometric technique has potential for rapid identification of species and strains

Metabolism
Dendinger, J. E.; and Roberts, L. S., 1977, Comp. Biochem. and Physiol., v. 58 (2B), 215-219
Hymenolepis diminuta, activity of glycogen synthase as a function of development and with crowding

Metabolism
Dendinger, J. E.; and Roberts, L. S., 1977, Comp. Biochem. and Physiol., v. 58 (3B), 231-236
Hymenolepis diminuta, glycogen synthase, control of enzyme activity by glucose and glycogen

Metabolism
Desowitz, R. S., 1965, Med. J. Malaya, v. 20 (1), 52-53
oxygen consumption of Plasmodium berghei in presence of normal or immune rat serum and chloroquine, possible usefulness in drug screening and determination of drug-serum clearance rates

Metabolism
Dewey, V. C.; and Kidder, G. W., 1973, J. Protozool., v. 20 (5), 678-682
Trypanosoma cruzi, growth inhibition by allopurinol, both purines and pyrimidines required for reversal, actual inhibitor is allopurinol ribotide (not free base) acting on orotidine 5'-phosphate decarboxylase

Metabolism
Dewey, V. C.; and Kidder, G. W., 1977, Canad. J. Biochem., v. 55 (1), 110-112
Crithidia fasciculata, inhibited growth with adenine analog, 4-aminopyrazolo(3,4-d) pyrimidine, adenine plus a pyrimidine (or a pyrimidine derivative) necessary for reversal of inhibition, adenine analog not inhibitory to enzymes of pyrimidine biosynthetic pathway; if not for its untoward effects in mammals, 4-APP might be suggested as possible therapeutic agent in trypanosomal infections

Metabolism
DiConza, J. J.; and Basch, P. F., 1976, J. Invert. Path., v. 28 (3), 337-340
Schistosoma mansoni sporocysts cultured in vitro, distribution of lipids, lipid metabolism

Metabolism
Diggs, C.; et al., 1976, J. Immunol., v. 116 (4), 1005-1009
Trypanosoma rhodesiense, measurement of leucine incorporation in vitro as assay of functional integrity, use of this system in demonstrating cytotoxic activity in serum of immunized rats, dependence of activity on serum dose and on heat-labile normal serum constituent(s)

Metabolism
Docampo, R.; et al., 1976, Experientia, v. 32 (8), 972-975
Trypanosoma cruzi epimastigotes, peroxidase activity localized in microbodies, electron microscopy

Metabolism
Docampo, R.; et al., 1977, Exper. Parasitol., v. 42 (1), 142-149
Trypanosoma cruzi epimastigotes, ultrastructural and metabolic alterations caused by β-lapachone

Metabolism
Docampo, R.; de Boiso, J. F.; and Stoppani, A. O. M., 1974, Medicina, Buenos Aires, v. 34 (5), 525-531
action of ethidium bromide on Trypanosoma cruzi metabolism (damage to kinetoplast DNA; reduced respiration; changes in glycolysis)

Metabolism
Douch, P. G. C., 1976, Xenobiotica, v. 6 (7), 399-404
Moniezia expansa, azo- and nitro-reductases, substrate specificity, reaction products, effects of flavins and other inhibitors and of activators

Metabolism
Douch, P. G. C.; and Gahagan, H. M., 1976, Xenobiotica, v. 6 (12), 769-773
Moniezia expansa, N-deacetylase activity, subcellular localization and some properties

Metabolism
Douch, P. G. C.; and Gahagan, H. M., 1977, Xenobiotica, v. 7 (5), 301-307
Moniezia expansa, Ascaris lumbricoides var suum, reduction and/or hydrolysis of niclosamide and related compounds by intact helminths and by enzyme preparations from the helminths and from mouse and sheep liver homogenates, reduction of niclosamide inhibited by allopurinol, indicates that coadministration of niclosamide and allopurinol might improve efficacy of anthelmintic, hydrolysis of benzanilide and related compounds inhibited by anthelmintic organophosphates

Metabolism
Douglass, W. R.; and Haskin, H. H., 1976, J. Invert. Path., v. 27 (3), 317-323
Minchinia nelsoni disease development in susceptible oysters, Crassostrea virginica, alterations in hemolymph protein, aspartate and alanine aminotransferases, and phosphohexose isomerase, host metabolic changes; possible humoral defense mechanisms

Metabolism
Dubinsky, P.; Lestan, P.; and Rybos, M., 1976, Biologia, Bratislava, s. B, Zool. (4), v. 31 (11), 829-838
Ascaridia galli larvae, chickens fed with amino acid-deficient cereal diet, effect on components of blood serum

Metabolism
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Schistosoma mansoni-infected mice, liver collagen synthesis, reproducible animal model of immunologically stimulated human liver fibrosis

Metabolism
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interrelationship of pH and oxidation-reduction potential on growth of axenic Entamoeba histolytica and the influence of pH on amoebicidal activity of drugs

Metabolism
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synthesis of variable and common antigens in rabbit reticulocyte cell-free system directed by Trypanosoma brucei RNA

Metabolism
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Trypanosoma brucei, RNA with messenger activity extracted from both blood and culture forms of parasite and translated into reticulocyte cell-free system, system used to investigate synthesis of polypeptides and especially of the variant antigen

Metabolism
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parasitic helminths, review of recent biochemical and histochemical research in Yugoslavia

Metabolism
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Entamoeba histolytica, effect of amebicidal agents on protein synthesis, correlation of drug structural characteristics with biologic activity, implications for designing drugs with increased margin of selective toxicity for parasite vs. host

Metabolism
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Trypanosoma brucei culture forms, utilization of glucose and proline

Metabolism
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Trypanosoma brucei bloodstream and culture forms, inhibition of cyanide-insensitive respiration by m-chlorobenzhydroxamic acid, cyanide-sensitive respiration of culture forms not affected, possible importance as trypanocidal drug, implications for mechanism of terminal respiration

Metabolism
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Trypanosoma brucei, particulate sn-glycerol-3-phosphate oxidase, inhibitor studies

Metabolism
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Trypanosoma brucei, effect of salicylhydroxamic acid + glycerol on motility and pyruvate production, shows how knowledge of trypanosome metabolism has led to new methods for screening drugs

Metabolism
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Plasmodium berghei, synthesis of dihydropteroate and dihydrofolate, some properties of enzymes involved, enzymic synthesis of dihydropteroate inhibited by several sulfonamides and diaminodiphenylsulfone

Metabolism
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P[lasmodium] berghei yoelii, P. cathemerium, schizogony and sporogony stages, metabolites and antimetabolites

Metabolism
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Hymenolepis diminuta, in vitro maintenance system (modification of Schiller system), morphological and metabolic criteria as indices of worm's condition in presence and absence of various additives

Metabolism
Fioravanti, C. F.; and Saz, H. J., 1976, Arch. Biochem. and Biophys., v. 175 (1), 21-30
Hymenolepis diminuta, pyridine nucleotide transhydrogenases, comparison with Ascaris lumbricoides var. suum

Metabolism
Fischerova, H.; and Kubistova, J., 1968, Physiol. Bohemoslov., v. 17 (4), 375-382
absence of phosphagen in Ascaris lumbricoides muscles and Fasciola hepatica tissues supports theory that phosphagen acts only as reserve of readily mobilized high energy phosphate bond in muscle cell

Metabolism
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Plasmodium berghei-infected mice, rats and hamsters (all exper.) and P. knowlesi-infected monkeys (exper.), absence of glucose-6-phosphate activity of "parasite origin" and presence of 6-phosphogluconate dehydrogenases of "parasite origin" in erythrocytes of infected animals, possible relationships in erythrocyte metabolism and parasite growth

Metabolism
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Trypanosoma rhodesiense, culture midgut form, proline metabolism

Metabolism
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Eimeria stiedai, glucose 6-phosphate dehydrogenase, partial characterization

Metabolism
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"there is justification to regard Pneumocystis from rats and man as different species. . . that from humans is designated P. jiroveci n. sp. . . . no significant morphologic differences between the two species are recognized; the separation rests on apparent species specificity and serologic differences.", morphology, physiology and immunology in relation to pathology

Metabolism
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Leucochloridiomorpha constantiae, metacercariae maintained in vitro, accumulation and excretion of neutral lipids

Metabolism
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Trypanosoma cruzi, glucose-6-phosphate dehydrogenase, partial purification and properties, kinetic studies of enzyme-catalyzed reaction

Metabolism
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4 Schistosoma spp., response to various acetylcholinesterase and cholinesterase inhibitors on hydrolysis of acetylcholine by parasite extracts

Metabolism
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Fasciola hepatica, effect of substrates and adenosine cyclic 3',5'-monophosphate concentrations on protein kinase activity; 5-hydroxytryptamine activation of protein kinase; relationship between protein kinase activity and time of incubation with 5-HT; LSD antagonism of 5-HT activation of protein kinase; phosphorylation in fractions of fluke homogenate

Metabolism
Gerez de Burgos, N. M.; et al., 1976, Acta Physiol. Latinoam., v. 26 (1), 10-19
Trypanosoma cruzi, culture forms of epimastigotes, alpha-hydroxy-acid dehydrogenase activity

Metabolism
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Plasmodium berghei-infected mice, increased oxygen consumption by bone marrow cells, decreased oxygen consumption in presence of antibodies

Metabolism
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relationship of blood and liver catalase activity in Schistosoma mansoni-infected mice to duration of infections, comparison with catalase activity in Schistosoma mansoni

Metabolism
Goh, S. L.; and Davey, K. G., 1976, Tissue and Cell, v. 8 (3), 421-435
Phocanema decipiens, nervous system, selective uptake of noradrenaline, dopa, and 5-hydroxytryptamine, light autoradiographic and ultrastructural study

Metabolism
Goldring, O. L.; Kusel, J. R.; and Smithers, S. R., 1977, Exper. Parasitol., v. 43 (1), 82-93
Schistosoma mansoni, origin in vitro of host-like blood group surface antigens, results show that such antigens are not synthesized by the parasite in glycolipid form and are not acquired from the host as glycoproteins

Metabolism
Golenser, J.; Spira, D. T.; and Zuckerman, A., 1973, J. Protozool., v. 20 (4), 531-532
Plasmodium berghei, splenocytes from infected rats, spontaneous incorporation of ^{3}H-thymidine in vitro, unresponsiveness to phytohemagglutinin stimulation

Metabolism
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human gastrointestinal parasitic diseases, possible relationships with lactase deficiency in children

Metabolism
Gupta, G. C.; Joshi, B. P.; and Rai, P., 1976, Indian Vet. J., v. 53 (6), 438-441
Neoascaris vitulorum, buffalo calves, pathogenesis, biochemical alterations in host blood suggest severe hepatic insufficiency

Metabolism
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Haemonchus contortus, ultrastructure of intestine, relationship to diet and metabolism; possibly phylogenetically young parasite in adaptation to host

Metabolism
Gutteridge, W. E.; and Gaborak, M., 1977, Parasitology, v. 75 (2), xxviii [Abstract]
Trypanosoma cruzi, culture epimastigote and blood trypomastigote forms, purine and pyrimidine metabolism

Metabolism
Gutteridge, W. E.; Gaborak, M.; and Cover, B., 1975, J. Protozool., v. 22 (3), 51A-52A [Abstract]
Trypanosoma cruzi intracellular stages isolated from rat muscle tissue are active metabolically but infectivity for mice can be accounted for by small number of epimastigotes and trypomastigotes, presumably amastigotes are not equipped to invade and parasitize host cells

Metabolism
Guttowa, A., 1969, Acta Parasitol. Polon., v. 16 (20-27), 1968-1969, 239-248
Triaenophorus nodulosus, amino acids composition and proportions similar to Eudiaptomus gracilis, copepod intermediate host; copepod amino acid composition basis for studies of host specificity and resistance

Metabolism
Guyton, C. L.; Missaghi, E.; and Marshall, P. M., 1976, Am. J. Vet. Research, v. 37 (11), 1287-1289
^{14}C-labeled phenothiazine, cattle, metabolism balance study

Metabolism
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Hyalomma (H.) dromedarii, H. (H.) anatolicum excavatum, premolting nymphs, engorged and ovipositing females, total lipid fatty acids and free fatty acid fractions of hemolymph and gut and molting fluids, changes in relation to feeding, molting, and oviposition

Metabolism
Hamdy, B. H., 1973, J. Med. Entom., v. 10 (1), 53-57
Argas arboreus, excretory cycle, seasonal effects (excretory rhythm of 3rd instar nymphs, adult males, and adult females did not differ significantly, but quantities excreted in each season differed distinctly), guanine and hematin as major excretory products

Metabolism
Hamdy, B. H., 1973, J. Med. Entom., v. 10 (4), 345-348
Hyalomma dromedarii, cycle of nitrogenous excretion of nymphs and females, feeding and postfeeding states

Metabolism
Hanna, R. E. B., 1976, Exper. Parasitol., v. 39 (2), 204-213
Fasciola hepatica, incorporation of galactose and glucose into glycogen and glycoprotein of various tissues (parenchyma, tegument, testis, muscle), light and electron microscope autoradiography

Metabolism
Hanna, R., 1977, Parasitology, v. 75 (2), iii [Abstract]
Fasciola hepatica tegument, electron microscope autoradiographic studies on accumulation of tritiated leucine and tritiated galactose suggest at least two distinct synthesis and transport processes operating simultaneously in T1 type tegumentary cells

Metabolism
Hanna, R. E. B.; and Jura, W., 1976, Research Vet. Sc., v. 20 (3), 344-345
Fasciola gigantica, bile less important than carbon dioxide in activation of metacercariae prior to excystment

Metabolism
Hanna, R. E. B.; and Threadgold, L. T., 1976, Exper. Parasitol., v. 39 (1), 106-114
Fasciola hepatica tissue slices, stereological analysis of effects of metabolic inhibitors on production and distribution of Type 1 secretory bodies in tegument

Metabolism
Hansen, B. D.; and Pappas, P. W., 1977, Ohio J. Sc., v. 77 (4), 189-191
Plasmodium berghei, changes in metabolic rate of mice with acute infections

Metabolism
Hariri, M., 1975, J. Parasitol., v. 61 (3), 440-448
Mesocestoides corti, tetrathyridia, kinetics of uptake of 5-hydroxytryptamine, possible role as neurotransmitter

Metabolism
Harpur, R. P.; and Jackson, D. M., 1975, J. Parasitol., v. 61 (5), 808-814
Ascaris suum, pieces of gut tissue in vitro, oxygen consumption, production of fermentation acids, anaerobic synthesis of protein

Metabolism
Harpur, R. P.; and Jackson, D. M., 1976, Comp. Biochem. and Physiol., v. 54 (4B), 455-460
Ascaris suum, isolated intestine, glucose diminished oxygen uptake (Crabtree effect), glucose caused increases in tissue carbohydrate, CO_2 evolution, and acid production, no Pasteur effect demonstrated, glutamine increased oxygen uptake in presence and absence of glucose but did not abolish Crabtree effect

Metabolism
Hart, L. T.; Dimopoullos, G. T.; and Mandhare, K. S., 1973, Avian Dis., v. 17 (4), 752-757
Plasmodium lophurae, pyrimethamine, effect on in vitro incorporation of sodium acetate by lipids of blood from normal and infected ducks, inhibition of lipolysis in both normal and infected blood

Metabolism

Hart, R. J.; Turner, R.; and Wilson, R. G., 1977, Internat. J. Parasitol., v. 7 (2), 129-134

Hymenolepis nana, bunamidine causes decrease in glucose uptake and increase in glucose efflux and stimulation of surface phosphatase activity, suggests that disruption of integument is mode of action by which worm death is caused, ultrastructural studies confirm these biochemical indications of integumental damage

Metabolism

Haston, W., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 275 [Demonstration]

Trypanosoma brucei brucei, metabolic changes accompanying transformation from bloodstream forms to vector forms, studies using microrespirometric technique to measure oxygen consumption

Metabolism

Haston, W. S., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 146 [Abstract]

Trypanosoma brucei, gradient diver technique used to measure oxygen uptake of culture forms for the purpose of studying metabolism of developmental stages

Metabolism

Haston, W., 1975, J. Protozool., v. 22 (3), 52A [Abstract]

Trypanosoma brucei, substrate utilization by transforming midgut forms, decreased glucose oxidation, increased proline oxidation, suggests that trypanosomes have adapted their metabolism to utilize the most available substrate in their mammalian vs. insect hosts

Metabolism

Heischkeil, R., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 505-516

Plasmodium vinckei, chemotherapeutic activity of selected antagonists of folic acid metabolism with special reference to structure-activity relationships, comparison with some standard antimalarials; some compounds also exert noxious effect on host

Metabolism

Heischkeil, R., 1974, Tropenmed. u. Parasitol., v. 25 (1), 105-115

Plasmodium vinckei, mice, purine and pyrimidine derivatives, antimetabolic activity against structurally analogous vitamins of the B complex and precursors of nucleic acids, plasmodiostatic activity compared to some standard antimalarials

Metabolism

Henney, R. W.; MacLean, J. M.; and Mulligan, W., 1973, Isotopes and Radiation Parasitol. III, 3-10

Nippostrongylus brasiliensis, decline in uptake of ^{32}P-phosphate and ^{75}Se-selenomethionine from host's tissue fluids from day 7 of infection onward, recovery upon transfer to fresh rat, results imply significant interference with parasites' metabolism several days before expulsion occurs

Metabolism

Hermoso, R.; and Monteoliva, M., 1974, Rev. Iber. Parasitol., v. 34 (3-4), 295-304

Ascaris lumbricoides, content of trehalose, glucose, soluble glycogen and combined glycogen in sexual organs, body walls and perivisceral fluid, values before and after culture in solution without glucose, estimate of endogenous utilization

Metabolism

Hermoso, R.; Monteoliva, M.; and Sanchez, M., 1975, Rev. Iber. Parasitol., v. 35 (3-4), 329-337

Ascaris lumbricoides, culture in media with added glucose or hemoglobin, relationship of nutrients to total carbohydrate content of certain tissues; no clear relationship to content of specific sugars (glucose, trehalose, glycogen)

Metabolism

Hermoso, R.; Sanchez, M.; and Monteoliva, M., 1975, Rev. Iber. Parasitol., v. 35 (3-4), 355-360

Ascaris lumbricoides, culture in media with added glucose or hemoglobin, soluble protein and hemoglobin content of certain tissues, values for body wall most accurately reflect physiological state of parasite; Tyrode solution with 1.0 g glucose and 0.3 g pig hemoglobin per liter best medium for culture

Metabolism

Hill, G. C.; and Bonilla, C. A., 1974, J. Protozool., v. 21 (5), 632-638

Crithidia fasciculata, isolation of DNA-dependent RNA polymerases, purified nuclear and kinetoplast DNA can serve as templates for these RNA polymerases, this RNA synthesis is inhibited by several trypanocidal drugs, hybridization experiments revealed no homologies between Blastocrithidia culicis and Crithidia fasciculata K-DNA

Metabolism

Homewood, C. A.; and Atkinson, E. M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 26-27 [Demonstration]

P[lasmodium] berghei: carbohydrate metabolism; dependence of chloroquine-induced pigment clumping on composition of culture medium

Metabolism

Homewood, C. A.; and Howells, R. E., 1973, J. Protozool., v. 20 (4), 526-527

Plasmodium berghei, cyclical changes in carbohydrate metabolism, gain and loss of enzymes of citric acid cycle follows change of host

Metabolism

Homewood, C. A.; Jewsbury, J. M.; and Gibson, J. M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 28 [Demonstration]

Schistosoma mansoni, Liverpool strain, electrophoresis of malate dehydrogenase isoenzymes, differences between life cycle stages

Metabolism
Howells, R. E.; and Maxwell, L., 1973, Ann. Trop. Med. and Parasitol. v. 67 (3), 285-300
Plasmodium berghei, chloroquine-resistant and -sensitive strains, intraerythrocytic forms do not possess NAD- or NADP-dependent isocitrate dehydrogenase, elevation of levels of NADP-isocitrate dehydrogenase in reticulocytes, possible relationship of this reticulocyte stimulation to chloroquine resistance

Metabolism
Huang, C. C.; et al., 1976, Bull. Inst. Zool., Acad. Sinica, v. 15 (1), 1-8
Rhipicephalus sanguineus, spermatogenesis, meiosis, protein synthesis through meiotic divisions, RNA synthesis limited to premeiotic stage

Metabolism
Humiczewska, M., 1975, Folia Histochem. et Cytochem., v. 13 (1-2), 37-50
Fasciola hepatica, miracidium, dehydrogenase activity, differences in occurrence and intensity depending on age of larvae, oxidative pathways

Metabolism
Humiczewska, M., 1975, Folia Histochem. et Cytochem., v. 13 (1-2), 51-60
Fasciola hepatica, sporocysts in various stages of development, oxidase and dehydrogenase activity in various tissues, metabolic pathways

Metabolism
Humiczewska, M., 1975, Folia Histochem. et Cytochem., v. 13 (3-4), 161-174
Fasciola hepatica, rediae in various stages of development, oxidases and dehydrogenases in various tissues, metabolic pathways

Metabolism
Humiczewska, M., 1975, Folia Histochem. et Cytochem., v. 13 (3-4), 213-229
Fasciola hepatica, cercariae in various stages of development, metacercariae, oxidases and dehydrogenases in various tissues, metabolic pathways

Metabolism
Humiczewska, M., 1975, Folia Histochem. et Cytochem., v. 13 (3-4), 231-236
Fasciola hepatica, miracidium, specific and non-specific phosphatases, localization and activity in various organs and tissues, role in carbohydrate metabolism

Metabolism
Hurwitz, S.; Shamir, N.; and Bar, A., 1973, Isotopes and Radiation Parasitol. III, 61-65
Ascaridia galli-infected chicks, absorption and digestion of protein and absorption of phosphate from intestine

Metabolism
Hutchinson, G. W.; and Fernando, M. A., 1976, J. Parasitol., v. 62 (5), 841-843
Obeliscoides cuniculi, various life cycle stages, activity of enzymes of pentose phosphate pathway and glycolysis

Metabolism
Ilan, J.; Pierce, D. R.; and Miller, F. W., 1977, Proc. Nat. Acad. Sc., v. 74 (8), 3386-3390
Plasmodium berghei, 9-β-D-arabinofuranosyladenine markedly depresses total protein synthesis and induces pronounced changes in spectrum of proteins synthesized (indicating changes in commitment for gene expression)

Metabolism
Injeyan, H. S.; and Meerovitch, E., 1974, J. Protozool., v. 21 (5), 738-742
Crithidia sp., inhibition of overall growth and macromolecular synthesis by juvenile hormone, inhibition of RNA synthesis of particular interest, implications for mode of action in insect systems

Metabolism
Irvin, A. D.; and Stagg, D. A., 1976, Parasitology, v. 73 (2), xix [Abstract]
Theileria parva in bovine lymphoid cells, purine and pyrimidine metabolism, possibility of exploiting defect in purine metabolism in therapy with folate antagonists

Metabolism
Irvin, A. D.; and Stagg, D. A., 1977, Exper. Parasitol., v. 41 (1), 172-185
Theileria parva-infected bovine lymphoid cells, apparent defect in purine metabolism suggests that folate antagonists such as aminopterin and methotrexate may have application in therapy of East Coast fever

Metabolism
Irvin, A. D.; and Young, E. R., 1977, Nature, London (5627), v. 269, 407-409
Babesia spp., in vitro test for screening drug activity which exploits finding that Babesia parasites readily incorporate hypoxanthine in an in vitro culture system, may also be used to detect drug resistance patterns and have possible application in primary screening of antimalarial drugs

Metabolism
Irvin, A. D.; and Young, E. R.; and Purnell, R. E., 1977, Parasitology, v. 75 (2), xxviii [Abstract]
Babesia spp. of mice and cattle, uptake of tritiated purines and pyrimidines, uptake of hypoxanthine inhibited in vitro by antibabesial drugs in a degree roughly proportional to drugs' efficacy in vivo, may be useful as primary screening method for active drugs

Metabolism
Isseroff, H.; and Ertel, J. C., 1976, Internat. J. Parasitol., v. 6 (2), 183-188
Fasciola hepatica homogenates, pyrroline-5-carboxylic acid dehydrogenase not detected, activity of pyrroline-5-carboxylic acid reductase 4 times that of mammalian liver reductase, evidence for worm as source of high levels of free proline in bile of animals with fascioliasis

Metabolism
Isseroff, H.; Ertel, J. C.; and Levy, M. G., 1976, Comp. Biochem. and Physiol., v. 54 (1B), 125-133
Schistosoma mansoni, absorption of amino acids, "results indicate that classic active transport can occur in a trematode"

Metabolism
Itazi, O. K. A.; and Njogu, A. R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 262 [Abstract]
Trypanosom[a] brucei, sugar nucleotides in antigen synthesis

Metabolism
Jackson, P. R.; and Fisher, F. M., jr., 1977, J. Protozool., v. 24 (2), 345-353
Trypanosoma equiperdum, carbohydrate effects on transport and short-term metabolism of amino acids

Metabolism
Jaffe, J. J.; et al., 1977, J. Parasitol., v. 63 (3), 547-553
Brugia pahangi-infected and normal Aedes aegypti, comparative activity and properties of lactate dehydrogenase, xanthine dehydrogenase, and dihydrofolate reductase

Metabolism
Jaffe, J. J.; Doremus, H. M.; and Meymarian, E., 1976, J. Parasitol., v. 62 (6), 910-913
Fasciola hepatica, mice, tubercidin administered either intraerythrocytically or by direct intravenous injection, reduced number with active infections, increased host survival, mechanism presumed to involve purine metabolism, mode of entry into flukes unknown

Metabolism
James, B. L., 1976, Parasitology, v. 73 (2), xxii-xxiii [Abstract]
nutrition of marine Digenea in primary molluscan host

Metabolism
Janovy, J., jr.; et al., 1973, J. Protozool., v. 20 (4), 502
Herpetomonas megaseliae, differentiation in culture, morphological and physiological changes

Metabolism
Janovy, J., jr.; et al., 1975, Proc. Oklahoma Acad. Sc., v. 55, 130-135
Herpetomonas megaseliae, cytodifferentiation in culture, changes in population composition (promastigotes, paramastigotes, opisthomastigotes), physiological changes (organisms became increasingly cyanide-sensitive, anaerobic stimulation of glucose uptake was doubled, and anaerobic acid production was halved as makeup of culture population shifted), differentiation was postulated to involve metabolic shift from anaerobic to aerobic metabolism

Metabolism
Janovy, J., jr.; Greiner, E. C.; and Decker, J. E., 1974, J. Protozool., v. 21 (3), 430 [Abstract]
Leishmania donovani vs. L. mexicana, anaerobic glycolysis and CO$_2$ fixation over the range 25-37 C, effect of pentostam vs. stibophen

Metabolism
Jennings, F. W.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 277 [Abstract]
Trypanosoma brucei, mice, findings of increased catabolism of plasma proteins may be contributory factor in immunosuppressive effects associated with trypanosomiasis

Metabolism
Jung, A.; et al., 1975, Tropenmed. u. Parasitol., v. 26 (1), 27-34
Plasmodium vinckei, DNA, RNA, and lipid synthesis, specific activity of glucose-6-phosphate dehydrogenase and glucose-6-phosphatase in parasite developmental stages

Metabolism
Karim, A.K.M.B.; and Evans, D.A.P., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 123-124
metabolism of sulfametopyrazine in subjects with rapid vs. slow acetylator phenotype, no significant differences

Metabolsim
Kassur, B.; Januszkiewicz, J.; and Poznanska, H., 1970, Mater. Med. Pol. (4), v. 2 (2-3), 32-43
experimental and human trichinosis, changes in enzyme activity in serum and muscle tissue, possible relationships to pathologic processes and diagnosis

Metabolism
Kaushal, D. C.; Verma, A. K.; and Raizada, M. K., 1976, Current Sc., Bangalore, v. 45 (5), 181-183
Hartmanella culbertsoni, cyclic nucleotide phosphodiesterase activity in cells and culture medium, cells starving or differentiating into cysts

Metabolism
Kaye, B.; and Woolhouse, N. M., 1976, Ann. Trop. Med. and Parasitol., v. 70 (3), 323-328
oxamniquine, new schistosomicide, metabolism and excretion in man and laboratory animals

Metabolism
Kelada, F. S.; et al., 1972, Metabolism, v. 21 (12), 1105-1112
Schistosoma haematobium-infected patients, effects of vitamin B6 load and 2,3,-dimercaptopropanol (a chelating agent) on functional capacity of tryptophan-niacin pathway before, during, and after tartar emetic treatment, found that 2,3-dimercaptopropanol prevents anomaly in tryptophan metabolism in patients treated with tartar emetic

Metabolism
Khan, Z. I.; and De Rycke, P. H., 1975, Biol. Jaarb., Gent, v. 43, 173-178
Hymenolepis microstoma, increased protein content of 12 day old worms infecting mice injected daily with testosterone propionate, however, weight and glycogen content of worms remained unaffected; hormonal requirement may be related to host diet

Metabolism
Kidder, G. W.; Dewey, V. C.; and Nolan, L. L., 1976, Canad. J. Biochem., v. 54 (1), 32-41
Crithidia fasciculata, enzymes of the orotate biosynthetic pathway

Metabolism
Kinnamon, K. E.; Ager, A. L.; and Orchard, R. W., 1976, Exper. Parasitol., v. 40 (1), 95-102
Plasmodium berghei, mice, sulfadiazine, WR 158,122, and WR 180,872 alone and in various combinations, synergistic effects, action at different sites in folic acid metabolic pathway, advantage of drug combinations in malaria chemotherapy

Metabolism
Kitaoka, S.; and Fujisaki, K., 1976, National Inst. Animal Health Quart., v. 16 (3), 114-121
tick larvae, nymphs, accumulating process, concentration ratios, ingested blood meals

Metabolism
Klein, R. A.; and Cross, G. A. M., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 267 [Abstract]
Trypanosoma brucei, culture form S42, L-threonine significant and possibly preferred source of fatty acid carbon units

Metabolism
Klein, R. A.; and Linstead, D. J., 1976, Biochem. Soc. Tr., v. 4 (1), 48-50
Trypanosoma brucei, culture forms, threonine as preferred source of 2-carbon units for lipid synthesis

Metabolism
Klein, R. A.; and Miller, P. G. G., 1977, Parasitology, v. 75 (2), xxvii [Abstract]
Trypanosoma brucei, aspects of intermediary metabolism, acetyl CoA production and utilization

Metabolism
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Metabolism
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Metabolism
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Metabolism
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Metabolism
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Metabolism
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Metabolism
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Metabolism
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Metabolism
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Metabolism
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Metabolism
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Plasmodium vinckei-infected mouse erythrocytes, protein content, glutathione concentration, enzyme activity, correlation with stage of parasite development, significance of results for metabolism of malaria parasites and for possible adaptation to mosquito

Metabolism
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Metabolism
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Metabolism
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Metabolism
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Angiostrongylus cantonensis-infected Lymnaea palustris vs. non-infected controls, oxygen uptake at 25, 30, and 35 C over 34-day periods

Metabolism
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Metabolism
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Entamoeba histolytica, 6-phosphofructokinase, physical properties, divalent cation requirement, mechanism of reaction it catalyzes

Metabolism
Reissenweber, N. J.; et al., 1975, Ztschr. Parasitenk., v. 48 (1), 25-33
Echinococcus granulosus, hydatid cysts from human lungs, scolices and brood capsules, histochemistry and histoenzymology, enzymes, lipids, glycogen, RNA, metabolic pathways, various types of cells in brood capsules

Metabolism
Reveron, A. E.; et al., 1971, Proc. Nutrition Soc., v. 30 (3), 83A-84A
Trichostrongylus colubriformis, lambs (exper.), effects of nematode parasitism on calcium and phosphorus retention, results show that infestation adversely affected bone mineralization with marked decrease in absorption and retention of phosphorus but little effect on calcium metabolism

Metabolism
Rew, R. S.; and Saz, H. J., 1977, J. Parasitol., v. 63 (1), 123-129
Litomosoides carinii, Dipetalonema viteae, and particularly Brugia pahangi microfilariae, oxygen requirements, carbohydrate metabolism, effect of levamisole

Metabolism
Richards, A. J.; et al., 1977, Internat. J. Parasitol., v. 7 (2), 153-158
Nippostrongylus brasiliensis, in vitro incubation with prostaglandin E_1, effect on glycolysis, on worm morphology, and on survival in vivo, results support view that prostaglandins play vital role in mechanism of worm expulsion

Metabolism
Richards, W. H. G.; and Williams, S. G., 1975, Ann. Trop. Med. and Parasitol., v. 69 (2), 135-140
Plasmodium falciparum in Aotus trivirgatus, treatment with chloroquine or 1-amidino-3-(3-chloro-4-cyanophenyl) urea, comparison of assessment in vivo with an in vitro test of protein-synthesizing activity (incorporation of radioactive leucine), in vitro system should prove useful in drug metabolism studies and in experiments using large or expensive animals

Metabolism
Ridley, R. K.; Slonka, G. F.; and Leland, S. E., jr., 1977, J. Parasitol., v. 63 (2), 348-356
Cooperia punctata, L_4 and adult stages grown in vitro, utilization of propionic acid, use of propionate by worms would result in depriving ruminant host of some of its necessary glucogenic precursors and could account for specific pathogenic mechanism attendant to heavy infections

Metabolism
Roberts, C. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 155 [Abstract]
Trypanosoma congolense and T. vivax-infected sheep, changes in lipid levels during infection, effects of infection on metabolic processes of serum lipoproteins

Metabolism
Roberts, C. J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 275 [Abstract]
trypanosomiasis in ruminants, alterations in lipid metabolism

Metabolism
Rodrick, G. E.; et al., 1977, Exper. Parasitol., v. 42 (1), 150-156
Ascaris suum, mitochondrial DNA in fertilized eggs and adult body muscle, observations agree with previous conclusion that egg is typically aerobic whereas energy metabolism of muscle is essentially anaerobic

Metabolism
Rogers, S. H., 1976, Exper. Parasitol., v. 40 (3), 397-405
Schistosomatium douthitti, adults, carbohydrate metabolism, glycolysis is major mechanism for energy production but at least two aerobic pathways exist

Metabolism
Rogerson, G. W.; and Gutteridge, W. E., 1976, Parasitology, v. 73 (2), xv [Abstract]
Trypanosoma cruzi, culture epimastigotes, blood trypomastigotes, intracellular amastigote stages, enzymes of energy metabolism, results suggest presence of functional tricarboxylic acid cycle in all stages

Metabolism
Roseby, F. B., 1977, Austral. J. Agric. Research, v. 28 (1), 155-164
Trichostrongylus colubriformis, sheep, effects on characteristics of digesta flow and fermentation, derangements of nitrogen metabolism

Metabolism
Roseby, F. B., 1977, Austral. J. Agric. Research, v. 28 (4), 713-719
Trichostrongylus colubriformis, sheep, glucose metabolism, rate of glucose synthesis higher in infected sheep compared with controls on same feed intake

Metabolism
Rubin, H.; and Trelease, R. N., 1975, J. Parasitol., v. 61 (4), 577-588
Ascaris suum, developing larvae, correlation of ultrastructural changes in lipid body and glycogen patterns with certain biochemical events occurring during lipid to carbohydrate interconversion, elucidation of specific tissue sites and accompanying organelles associated with this metabolic conversion

Metabolism
Rybos, M.; Lestan, P.; and Dubinsky, P., 1974, Biologia, Bratislava, s. B, Zool. (1), v. 29 (2), 129-132
Ascaridia galli, hydrocarbon metabolism excretory products, principally acetic acid in 23 day-old worms, proprionic acid in mature worms

Metabolism
Saleh, S.; et al., 1976, Pharmacol. Research Commun., v. 8 (4), 359-368
Schistosoma mansoni in mice (exper.), comparative effects of antimonial and non-antimonial schistosomicides on host carbohydrate metabolism; antimonials did not affect metabolism while non-antimonial (niridazole) showed similar effects in host and parasite

Metabolism
Samuels, R.; and Pratt, M., 1975, J. Protozool., v. 22 (3), 21A [Abstract]
Tritrichomonas augusta, β-galactosidases, partial characterization

Metabolism
Sanchez, G.; and Alderete, J. F., 1975, Comp. Biochem. and Physiol., v. 52 (4A), 623-626
Trypanosoma rhodesiense, adrenalectomized rats, increased parasitemia and earlier death, relation to decreases in total liver glycogen, reduced rate of glucose consumption by trypanosomes, endocrine system as possible regulator of trypanosome biochemistry, possible mechanism in pathogenesis of trypanosomiasis

Metabolism
Sant, M. V.; Gatlewar, W. N.; and Menon, T.U.K., 1974, Progr. Drug Research, v. 18, 269-275
Wuchereria bancrofti, comparative epidemiologic survey of 4 Indian villages with varying prevalences of infection; evidence of serum iodine insufficiency in infected persons living in sea coast areas normally high in iodine suggests that bancroftian filarial worms do utilize host serum iodine for their metabolism

Metabolism
Sasi, P. K.; and Kaleysaraj, R., 1975, Experientia, v. 31 (11), 1261-1262
Ascaris lumbricoides, incubation in medium containing sub-lethal concentrations of piperazine, decreased phospholipid level, partial stimulation of phospholipase C activity, partial inhibition of choline kinase activity

Metabolism
Saxon, D. J.; and Dunagan, T. T., 1976, Comp. Biochem. and Physiol., v. 55 (3B), 377-380
Macracanthorhynchus hirudinaceus vs. Neoechinorhynchus spp., pentose phosphate pathway enzymes, specific activities at different incubation temperatures, relationship to body temperature of homothermic vs. poikilothermic hosts

Metabolism
Saz, H. J.; and Dunbar, G. A., 1975, J. Parasitol., v. 61 (5), 794-801
Litomosoides carinii, Dipetalonema witei, Brugia pahangi, stibophen, inhibition of phosphofructokinase and lactate formation, effect on internal hexose phosphate accumulation, inhibition of aldolase, comparison with potassium antimony tartrate (inhibits PFK at higher concentrations but not aldolase); Ascaris suum, Hymenolepis diminuta, stibophen inhibition of phosphofructokinase

Metabolism
Schaefer, F. W. III; et al., 1977, J. Parasitol., v. 63 (4), 687-689
Echinostoma liei, aerobic and anaerobic fermentation of glucose, production of CO_2, mixture of volatile fatty acids, lactate, and succinate

Metabolism
Schiller, E. L.; et al., 1975, J. Parasitol., v. 61 (3), 385-389
Schistosoma mansoni, adults cultured in vitro under aerobic vs. anaerobic conditions, no differences in glucose utilization and lactic acid production, virtually no egg-laying in absence of oxygen

Metabolism
Schmale, H.; and Becker, W., 1977, Comp. Biochem. and Physiol., v. 58 (4B), 321-330
Biomphalaria glabrata, urea cycle enzymes, activity changes under different physiological conditions (including infection with Schistosoma mansoni)

Metabolism
Schmidt, G.; Walter, R. D.; and Koenigk, E., 1974, Tropenmed. u. Parasitol., v. 25 (3), 301-308
adenosine kinase from normal mouse erythrocytes and from Plasmodium chabaudi, partial purification and characterization, comparison

Metabolism
Schmidt, G.; Walter, R. D.; and Koenigk, E., 1975, Tropenmed. u. Parasitol., v. 26 (1), 19-26
Trypanosoma gambiense, purine nucleoside hydrolase obtained from parasite, purification and characterization, inhibitory effects of substrate analogs, salvage synthesis of adenosine monophosphate

Metabolism
Serrano, R.; Deas, J. E.; and Warren, L. G., 1977, Exper. Parasitol., v. 41 (2), 370-384
Entamoeba histolytica, cell fractionation study, isolation and electron microscopy of two membrane fractions, properties and distribution of marker enzymes, chemical analysis of fractions, electrophoretic patterns of membrane polypeptides, glucose transport

Metabolism
Shakespeare, P. G.; and Trigg, P. I., 1973, J. Protozool., v. 20 (4), 527-528
Plasmodium knowlesi, glucose catabolism, changes during life cycle

Metabolism
Shakespeare, P. G.; and Trigg, P. I., 1973, Nature (5391), v. 241, 538-540
Plasmodium knowlesi, glucose catabolism in normal rhesus monkey erythrocytes, in parasitized erythrocytes, and in parasites "freed" from their host erythrocytes

Metabolism
Shakespeare, P. G.; and Trigg, P. I., 1974, J. Protozool., v. 21 (3), 452 [Abstract]
Trypanosoma b. brucei, T. congolense, T. lewisi, bloodstream forms, glucose utilization

Metabolism
Sharpe, M. J.; and Lee, D. L., 1977, Parasitology, v. 75 (2), xvi [Abstract]
Trichostrongylus colubriformis, Nematospiroides dubius, effect of levamisole on adenylate energy charge and on levels of acetylcholinesterase

Metabolism
Sheets, E. G.; and Krassner, S. M., 1974, J. Protozool., v. 21 (5), 742-744
Leishmania tarentolae in chemically defined medium containing taurine as sole sulfur source, chromate, selenate, and vanadate accelerated growth and enhanced incorporation of $[^{35}S]$ taurine label into different cell fractions

Metabolism
Sherman, I. W., 1974, J. Protozool., v. 21 (3), 452 [Abstract]
Plasmodium knowlesi cell-free system, requirements for optimum protein synthesis, effect of various drugs

Metabolism
Sherman, I. W., 1976, Comp. Biochem. and Physiol., v. 53 (4B), 447-450
Plasmodium knowlesi ribosomes, development of highly active cell-free protein synthesizing system, use in assaying antimalarials

Metabolism
Sherman, I. W.; and Jones, L. A., 1976, J. Protozool., v. 23 (2), 277-281
Plasmodium lophurae, reliable procedure for isolation of active ribosomes, optimal requirements for in vitro synthesis of proteins, effects of variety of drugs on duck reticulocyte and plasmodial ribosomes in cell-free protein-synthesizing systems (restricted selectivity not obtained)

Metabolism
Sherman, I. W.; and Tanigoshi, L., 1974, J. Protozool., v. 21 (4), 603-607
Plasmodium lophurae-infected erythrocytes, enhanced glucose transport

Metabolism
Siddiqi, A. H.; and Nizami, W. A., 1975, Ztschr. Parasitenk., v. 47 (4), 263-268
Isoparorchis hypselobagri, swimbladder oxygen content of host, Wallago attu, not influenced by presence or absence of fluke; in vitro oxygen consumption of fluke increased by glucose, decreased by time, optimal temperature 30°C

Metabolism
da Silveira, J. F.; Zingales, B.; and Colli, W., 1977, Biochim. et Biophys. Acta, v. 481 (2), 722-733
Trypanosoma cruzi, particulate preparations from epimastigote forms, characterization of an adenylyl cyclase activity

Metabolism
Simon, M. W.; Rusnak, J. M.; and Mukkada, A. J., 1976, Exper. Parasitol., v. 39 (1), 51-58
Leishmania tropica promastigotes in vitro, sensitivity to toxic effects of bilirubin (loss of viability, decreased sugar and amino acid uptake, increased efflux of intracellular sugars, hexokinase activity, lowered respiration), results suggest irreversible damage to cell membrane, possible culture loss if bilirubin concentration of hemoglobin solution used is too high

Metabolism
Simonic, T.; Sartorelli, P.; and Locatelli, A., 1975, Ann. Parasitol., v. 50 (4), 461-468
Fasciola hepatica homogenates, cyclic AMP phosphodiesterase activity under basal conditions and after addition of various substances

Metabolism
Simpson, A. M.; and Simpson, L., 1975, J. Protozool., v. 22 (3), 22A [Abstract]
Crithidia fasciculata, peripheral localization of DNA synthesis within kinetoplast DNA networks

Metabolism
Simpson, A. M.; and Simpson, L., 1976, J. Protozool., v. 23 (4), 583-587
Crithidia fasciculata, Leishmania tarentolae, pulse-labeling of kinetoplast DNA, localization of 2 sites of synthesis within networks and kinetics of labeling of closed minicircles

Metabolism
Sims, P.; and Gutteridge, W. E., 1976, Parasitology, v. 73 (2), iii [Abstract]
Trypanosoma cruzi, SQ 18,506, no substantial inhibitory effects on energy metabolism or membrane function, concluded that nucleic acid synthesis is primary target of this drug

Metabolism
Singh, K.; and Dutta, G. P., 1976, Indian J. Med. Research, v. 64 (8), 1185-1191
action of metabolic inhibitors on Entamoeba histolytica in axenic culture

Metabolism
Smith, C. C.; McCormick, G. J.; and Canfield, C. J., 1976, Exper. Parasitol., v. 40 (3), 432-437
Plasmodium knowlesi, in vitro biosynthesis of methionine

Metabolism
Smith, C. C.; McCormick, G. J.; and Canfield, C. J., 1977, Exper. Parasitol., v. 43 (1), 248-254
Plasmodium knowlesi, in vitro biosynthesis of methionine and thymidylic acid, related folate metabolism

Metabolism
Smith, T. M., 1976, J. Mississippi Acad. Sc., Suppl., v. 21, 41 [Abstract]
Schistosoma mansoni, incorporation of C^{14} labeled amino acids

Metabolism
Smith, T. M.; and Brown, J. N., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 329-330
Schistosoma mansoni, S. japonicum, tricarboxylic acid cycle enzymes of adults of both species compared with previously published findings, results suggest that anaerobic glycolysis is the major energy source in adults of both species

Metabolism
Smith, T. M.; and Brown, J. N., 1977, Comp. Biochem. and Physiol., v. 56 (3B), 351-352
Schistosoma mansoni, S. japonicum, comparison of glucose-6-phosphate dehydrogenase and 6-phosphogluconate dehydrogenase activities in adults, data suggest species difference in 6-phosphogluconate metabolism

Metabolism
Soria, C. A.; and Dusanic, D. G., 1975, J. Protozool., v. 22 (4), 509-513
Trypanosoma vespertilionis and T. dionisii in culture compared, population density, morphologic alterations, changes in glucose consumption and pH of media, antigenic analysis

Metabolism
Srivastava, H. K.; and Bowman, I. B. R., 1972, Nature, London, N. Biol. (57), v. 235, 152-153
Trypanosoma rhodesiense, sequence of metabolic changes associated with acquisition of mitochondrial-mediated metabolism during transformation into culture forms, significantly higher rate of oxidation with proline vs. other substrates tested

Metabolism
Srivastava, M.; and Gupta, S. P., 1976, Ztschr. Parasitenk., v. 49 (2), 179-182
Isoparorchis hypselobagri, protein metabolism in vitro

Metabolism
Stefl, B.; and Kubistova, J., 1972, Physiol. Bohemoslov., v. 21 (3), 261-263
Ascaris lumbricoides var. suis, low actomyosin content of body-wall muscles, possible role in metabolism

Metabolism
Stibbs, H. H.; and Seed, J. R., 1976, Exper. Parasitol., v. 39 (1), 1-6
Trypanosoma brucei gambiense, chronically infected Microtus montanus, elevated serum and hepatic tyrosine aminotransferase, high serum levels may result from lysis of parasites (possibly due to agglutination by antibody) containing high levels of enzyme, implications for catecholamine metabolism and consequently for pathologic behavioral syndrome

Metabolism
Stringfellow, F., 1976, Proc. Helminth. Soc. Washington, v. 43 (2), 206-211
Pelodera strongyloides in culture, determination of presence and distribution of carbonic anhydrase in worms, addition of diamox to cultures resulted in inhibition of carbonic anhydrase, reduced quantity of ammonia nitrogen production, and decreased ability of worms to find each other

Metabolism
Surgan, M. H.; and Roberts, L. S., 1976, J. Parasitol., v. 62 (1), 87-93
Hymenolepis diminuta, H. microstoma, effect of purified bile salts on absorption of glucose and oleic acid

Metabolism
Sutton, R. H., 1976, Austral. J. Exper. Biol. and Med. Sc., v. 54 (5), 449-458
Eperythrozoon ovis, carbohydrate metabolism, infected sheep erythrocytes, increased glucose utilization and lactic acid production

Metabolism
Sutton, R. H., 1977, Austral. Vet. J., v. 53 (10), 478-481
Eperythrozoon ovis, sheep, low venous blood glucose levels, increased blood lactic acid levels

Metabolism
Swiderski, Z.; and Mackiewicz, J. S., 1976, Internat. J. Parsitol., v. 6 (1), 61-73
Glaridacris catostomi, vitellogenesis, electron microscope study: vitelline cell differentiation; role of nucleus, its maturation and transformation during vitelline cell cytomorphosis; nuclear and cytoplasmic development of shell globules

Metabolism
Sykes, A. H., 1970, Proc. Nutrition Soc., v. 29 (1), 16 A
Eimeria acervulina, infection in chicks (exper.) resulted in reduction of weight gain, some actual weight loss and impaired utilization of absorbed energy

Metabolism
Sykes, A. R.; and Coop, R. L., 1976, J. Agric. Sc., v. 86 (3), 507-515
Trichostrongylus colubriformis larvae, lambs (exper.), food intake and utilization after parasitic damage to small intestine, body weight changes, reduced host mineral metabolism

Metabolism
Sylvester, D.; and Krassner, S. M., 1976, Comp. Biochem. and Physiol., v. 55 (3B), 443-447
Trypanosoma cruzi epimastigotes, occurrence of proline oxidation, effect of proline and other amino acids on respiration, dissimilation of metabolic intermediates, results suggest presence of proline-glutamate interconversion pathway

Metabolism
Symons, L. E. A.; and Jones, W. O., 1975, Austral. J. Agric. Research, v. 26 (6), 1063-1072
Trichostrongylus colubriformis, sheep, radioisotope-labelled leucine for measurement of protein synthesis in muscles, liver and wool follicles, anorexia as major cause of protein metabolism changes

Metabolism
Symons, L. E. A.; and Jones, W. O., 1977, Exper. Parasitol., v. 42 (1), 194-202
Eimeria tenella-infected chickens, altered protein synthesis, compared to hosts infected with bacteria or with intestinal nematodes, evidence that loss of protein may increase apparent concentration of DNA and RNA of muscle and liver

Metabolism
Taylor, D. W.; and Cross, G. A. M., 1976, Parasitology, v. 73 (2), vii-viii [Abstract]
Trypanosoma brucei, development of in vitro system using fully defined medium HX 28 in order to facilitate studies into control of synthesis of variant-specific antigens of surface coat of bloodstream forms

Metabolism
Taylor, D. W.; and Cross, G. A. M., 1977, Parasitology, v. 74 (1), 47-60
Trypanosoma brucei in vitro, variant-specific surface antigen, isolation, partial characterization, incorporation of [^{35}S]L-methionine, rate of synthesis

Metabolism
Theakston, R. D. G.; Fletcher, K. A.; and Moore, G. A., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 125-127
Plasmodium falciparum-infected human erythrocytes, glucose-6-phosphate and 6-phosphogluconate dehydrogenase activity

Metabolism
Tkachuck, R. D.; et al., 1977, J. Parasitol., v. 63 (5), 769-774
Spirometra mansonoides, methylmalonyl CoA mutase and propionyl CoA carboxylase, presence and possible function

Metabolism
Tkachuck, R. D.; Weinstein, P. P.; and Mueller, J. F., 1976, J. Parasitol., v. 62 (1), 94-101
Spirometra mansonoides spargana, uptake of vitamin B$_{12}$, functional groups of B$_{12}$ analogs affecting uptake; Hymenolepis diminuta, no uptake of vitamin B$_{12}$, none detected in the worm

Metabolism
Tkachuck, R. D.; Weinstein, P. P.; and Mueller, J. F., 1977, J. Parasitol., v. 63 (4), 694-700
Spirometra mansonoides spargana, metabolic fate of cyanocobalamin

Metabolism
Trigg, P. I.; and Gutteridge, W. E., 1977, Symposia Brit. Soc. Parasitol., v. 15, 57-81
parasitic Protozoa, morphological, biochemical, and physiological changes occurring during life cycles, symposium presentation

Metabolism
Trigg, P. I.; and Shakespeare, P. G., 1976, Parasitology, v. 73 (2), 149-160
changes in uninfected rhesus monkey erythrocytes incubated in vitro (osmotic fragility, acetylthiocholinesterase activity, glucose catabolism, ATP content) in relation to susceptibility of these cells to invasion by Plasmodium knowlesi, results suggest that maintenance of erythrocyte surface integrity is necessary prerequisite for efficient culture system for malaria parasite

Metabolism
Uglem, G. L.; and Read, C. P., 1975, J. Parasitol., v. 61 (3), 390-397
Schistosoma mansoni, adults, mechanisms of sugar transport and metabolism, differences in males, females, and pairs

Metabolism
Veech, R. L.; et al., 1976, J. Toxicol. and Environment. Health, v. 1 (5), 793-806
Spirometra mansonoides growth factor vs. bovine growth hormone, comparison of metabolic effects on rat liver in vivo

Metabolism
Vercelli-Retta, J.; et al., 1975, Ztschr. Parasitenk., v. 48 (1), 15-23
Echinococcus granulosus, hydatid cysts from human and bovine lungs, germinal membrane, histochemistry and histoenzymology, enzymes, lipids, metabolic pathways, possible endocrine system; possible future pharmacological studies for interference with parasite development

Metabolism
Vivares, C. P.; and Van Wormhoudt, A., 1976, Compt. Rend. Soc. Biol., Paris, v. 170 (1), 71-77
Cephaloidophora conformis in Pachygrapsus marmoratus (caecum digestif anterieur), carbohydrate metabolism of host and parasite: region de Marseille

Metabolism
Voge, M.; et al., 1976, J. Parasitol., v. 62 (6), 951-954
Hymenolepis diminuta, growth of cysticercoids in vitro, development in presence of L-cysteine twice as rapid under 100% nitrogen as under air, no growth obtained with several other reducing agents, limited growth with ascorbic acid and dithiothreitol, homocysteine or coenzyme A as effective as L-cysteine in stimulating complete development

Metabolism
Wagner, K. P.; and Krassner, S. M., 1976, Exper. Parasitol., v. 39 (2), 186-194
Leishmania tarentolae, promastigotes, substances in Trager's Defined Medium capable of acting as proline precursors, proline synthesis unaffected by presence of preformed proline indicating absence of end product feedback inhibition

Metabolism
Wagner, K. P.; and Krassner, S. M., 1976, Exper. Parasitol., v. 39 (2), 222-233
Leishmania tarentolae promastigotes, replica-plating techniques, isolation of stable mutant strains resistant to chloramphenicol, isolation of cell lines stress-adapted to streptomycin and to high culture temperatures, factors influencing resistance, mode of action of chloramphenicol (inhibition of protein synthesis and proline oxidation)

Metabolism
Walker, T. R.; and Farrell, D. J., 1976, Brit. Poultry Sc., v. 17 (1), 63-77
Ascaridia galli, significant reduction in metabolisability of dietary energy and nitrogen retention of infected chickens; inadequate amounts of vitamin A reduced size of larvae and perhaps decreased their numbers

Metabolism
Walter, R. D., 1976, Biochim. et Biophys. Acta, v. 429 (1), 137-146
Trypanosoma gambiense, protein kinase, partial purification and characterization, nucleoside-dependent but cyclic AMP-independent

Metabolism
Walter, R. D.; and Koenigk, E., 1974, Tropenmed. u. Parasitol., v. 25 (2), 227-235
Plasmodium chabaudi, hypoxanthine-guanine phosphoribosyltransferase and adenine phosphoribosyltransferase, purification and characterization

Metabolism
Wang, C. C.; and Stotish, R. L., 1975, J. Protozool., v. 22 (3), 438-443
Eimeria tenella oocysts during sporulation, changes in nucleic acids and proteins

Metabolism
Wang, C. C.; Weppelman, R. M.; and Lopez-Ramos, B., 1975, J. Protozool., v. 22 (4), 560-564
Eimeria tenella oocysts, amylopectin granules, isolation, purification, composition, identification of amylopectin phosphorylase, preliminary studies on properties and regulation

Metabolism
Warton, A.; and Modlinska, M., 1977, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 24 (10), 1976, 611-613
Trypanosoma cruzi, blood forms, ultrastructural localization of peroxisomes following incubation with diaminobenzidine to demonstrate catalase, electron microscopy, possible metabolic role

Metabolism
Weidner, E., 1975, Ztschr. Parasitenk., v. 47 (1), 1-9
Encephalitozoon cuniculi, parasitophorous vacuoles within host peritoneal macrophages, growth by pinocytotic mechanism, movement of substances across vacuole boundary, absence of lysosomal fusion, electron microscopy

Metabolism
Weik, R. R.; and John, D. T., 1977, J. Parasitol., v. 63 (5), 868-871
Naegleria fowleri, agitated axenic mass cultivation, growth kinetics, medium changes during growth, data suggest predominantly aerobic metabolism and utilization of noncarbohydrate sources as carbon and energy sources

Metabolism
Weinbach, E. C.; et al., 1976, J. Parasitol., v. 62 (1), 127-128
Entamoeba histolytica, evidence that iron-sulfur proteins are functional in aerobic metabolism

Metabolism
Weppelman, R. M.; Vandenheuvel, W. J. A.; and Wang, C. C., 1976, Lipids, v. 11 (3), 209-215
Eimeria tenella, oocysts, fatty acids and nonsaponifiable lipids, analysis by gas liquid chromatography and mass spectrometry, changes during sporulation, distribution of nonsaponifiable lipids within oocysts before and after sporulation

Metabolism
Williamson, J.; and McLaren, D. J., 1974, J. Protozool., v. 21 (3), 453-454 [Abstract]
Trypanosoma rhodesiense, induction of cytoplasmic clefts by Puromycin, Cordycepin, and Nucleocidin, results suggest drugs may prevent uptake of required unsaturated fatty acids and promote excessive intake of saturated acids

Metabolism
Williamson, J.; and McLaren, D. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 263 [Demonstration]
Trypanosoma rhodesiense in mice (exper.), cordycepin-induced cytoplasmic clefts in trypanosomes and resulting changes in fatty acid metabolism, ultrastructural studies

Metabolism
Willox, S.; Weatherby, R. P.; and Holder, G. M., 1976, Xenobiotica, v. 6 (9), 565-573
Boophilus microplus, aniline metabolism, new conjugation reaction, water-soluble metabolites

Metabolism
Wilson, P. A. G., 1976, Ztschr. Parasitenk., v. 49 (3), 243-252
Haemonchus contortus, Nippostrongylus brasiliensis, infective larvae, carbohydrate content and ageing process contrasted; carbohydrate level variation in H. contortus due to capacity to synthesize glycogen during ageing, low level in N. brasiliensis remains constant

Metabolism
Wright, D. J.; and Newall, D. R., 1976, Organ. Nematodes (Croll), 163-210
nematodes, nitrogen catabolism and excretory products, osmotic and ionic regulation, excretory structures, review

Metabolism
Yadava, J. N. S.; and Dutta, G. P., 1976, Indian J. Med. Research, v. 64 (4), 562-567
lethal effect of bile on axenic Entamoeba histolytica culture without increased effect on amoebicidal action of metronidazole or emetine, possible etiologic role of inadequate bile secretion as factor in clinical amoebiasis

Metabolism
Yonders, P. C., 1975, J. Alabama Acad. Sc., v. 46 (3-4), 95 [Abstract]
Trichostrongylus affinis infected domestic rabbits, ^{55}Fe incorporation, compared with non-infected rabbits, results indicate that the infection is altering the iron metabolism of the host

Metabolism
Yvore, P.; and Guillaume, J., 1976, Ann. Recherches Vet., v. 7 (4), 343-348
Eimeria stiedai, rabbits, disturbance in lipid and energy metabolism

Metabolism
Zaitseva, G. N.; Kolesnikov, A. A.; and Shirshov, A. T., 1977, Molec. and Cell. Biochem., v. 14 (1-3), 47-54
Crithidia oncopelti, kinetoplast DNA, structure, transcription, protein-synthesizing apparatus, protein synthesis controlled by kinetoplast genome

Metamorphosis. See Ecdysis; Life cycle.

Mexico
Alvarez Chacon, R.; Rodriguez Rodriguez, M.; and Cob Sosa, C. E., 1974, Bol. Med. Hosp. Inf., v. 31 (6), 1125-1147
statistical survey, intestinal parasites in young children: Mexico
(Ascaris lumbricoides; Uncinaria; Entamoeba histolytica; Giardia lamblia; Enterobius vermicularis; Hymenolepis nana; Balantidium coli; Strongyloides stercoralis; Trichuris trichiura)

Mexico
Biagi, F., 1973, Prensa Med. Mexicana, v. 38 (5-6), 166-174
frequently encountered human parasites and their economic importance to the population monetarily and in days lost from labor force: Mexico
(amibiasis; giardiasis; hymenolepsiasis; ascariasis; tricocefalosis; uncinariasis; strongiloidosis; oncocercosis)

Mexico
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case report of hepatic Echinococcus granulosus diagnosed radiologically in man being treated for pancreatitis and associated gastritis; review of status of human echinococcosis in Mexico

Mexico
Gonzalez Licea, A., 1975, Patologia, v. 13 (3), 365-385
extensive review of most frequent parasitosis in Mexico with statistics of incidence and geographic distribution
(amebiasis; trichomoniasis; giardiasis; balantidiasis; trypanosomiasis; leishmaniasis; malaria; toxoplasmosis; taeniasis; hymenolepiasis; fascioliasis; trichiniasis; enterobiasis; ascariasis; uncinariasis; strongyloidiasis; onchocerciasis; trichocephaliasis)

Mexico
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Amblyomma maculatum, comparison of distribution and economic importance, in Mexico and United States

Mexico
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survey of human intestinal parasites of inhabitants in a poor hygenic and socioeconomic environment in Mexico
(Entamoeba histolytica; E. coli; Iodamoeba butschlii; Endolimax nana; Giardia lamblia; Trichomonas hominis; Hymenolepis nana; Ascaris lumbricoides; Anchilostoma duodenale; Enterobius vermicularis; Trichuris trichiura)

Mexico
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intestinal helminth survey, inhabitants of rural community in Mexico
(Ascaris lumbricoides; Trichuris trichiura; Uncinaria; Strongyloides stercoralis; Taenia sp.; Hymenolepis nana)

Mexico
Rebora Gutierrez, F.; et al., 1976, Neumol. y Cirug. Torax, v. 37 (3), 147-158
Echinococcus granulosus, bilateral pulmonary cysts in 17-year old girl, surgical excision, clinical aspects; general review of epidemiologic and immunologic aspects: Mexico

Mexico
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intestinal parasites, children 6 years old and under, 1-year survey of out-patients, statistical evaluation: Mexico
(Giardia lamblia; Trichocephalus; Ascaris lumbricoides; Hymenolepis nana; Entamoeba histolytica)

Mexico
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prevalence survey of intestinal helminths of stray dogs captured on the streets of Monterrey, Mexico
(Ancylostoma caninum; Toxocara canis; Dipylidium caninum; Taenia taeniaeformis; Taenia pisiformis; Mesocestoides variabilis; Oncicola canis)

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Yoshii, Z.; Tokunaga, J.; and Tawara, J., 1976, Atlas of scanning electron microscopy in microbiology, 233 pp.
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Migration. [See also Disease transmission, Travel and migration]

Migration, Hosts
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tick distribution, influence of sea bird movement: Central Pacific

Migration, Hosts
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Onchocerca volvulus, relationship of prevalence of onchocerciasis and resulting blindness to abandonment of native villages, statistical survey of various geographic localities: Middle Hawal Valley, Nigeria

Migration, Hosts
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Argas robertsi, geographic distribution, habitats, host range and movements, virus infections

Migration, Hosts
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Parvatrema homoeotecnum, percentage infection in Littorina saxatilis tenebrosa var. similis as affected by seasonal variations in host population density and correlation with host breeding cycle, migration, growth and mortality; brief comparisons with distribution in Microphallus similis and M. pygmaeus forms A and B: Twr Gwylanod, near Aberystwyth

Migration, Hosts
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helminth fauna of adult swallows just returning from migration compared with young birds; dynamics of infection, species composition of helminths, various stages of nesting season: Poland

Migration, Hosts
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intestinal helminths of Anas platyrhynchos, survey, influence of host migration on parasite prevalence, exact site in intestine: the Naardermeer, The Netherlands

Migration, Hosts
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use of Renicola [spp.] metacercaria, Lacistorhynchus tenuis plerocercoids, and number of caeca in Clupea harengus as biological tags, findings consistent with continuous host immigration to the Minch, west of Scotland, from Bloden in the North Sea

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Ixodes uriae, vector of Great Island and Bauline viruses, role of ticks and migratory birds in viral transmission, possible public health importance: Great Island, Newfoundland, Canada

Migration, Hosts
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clinical observations during pregnancy in Malaysian aborigines living in deep jungle vs. those who have migrated "outside", includes observations on Trichomonas vaginalis and helminthic infection: Gombak, Selangor, Malaysia

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Migration, Parasites
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Cooperia curticei, survival, migration on soil and grass of infective larvae under natural conditions, various meteorological data

Migration, Parasites
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Paragonimus siamensis, migration route, development, and egg output in experimental host, measurements of recovered mature worms

Migration, Parasites
al-Allaf, G. A.; and Hayatee, Z. G., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 351
Enterobius vermicularis, recto-urethral migration of gravid female worms reported in 2 adult males (urethra) who admitted to being habitual sodomists, each had had recent contact with an underage (under 14) partner: Iraq

Migration, Parasites
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Strongylus vulgaris, more adverse host reaction in parasite-free ponies than in ponies sensitized by previous natural infection, changes in serum glycoprotein patterns may be related to arterial damage associated with larval migrations

Migration, Parasites
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migration of Onchocerca volvulus into urine, blood and sputum after medication of infected humans with diethylcarbamazine: Guatemala

Migration, Parasites
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Dirofilaria immitis, dogs (exper.), seasonal distribution of microfilariae in peripheral circulation and effect of temperature on migration from lung capillaries to peripheral circulation

Migration, Parasites
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Paragonimus westermani, dog, pathology of lung, spleen, and diaphragm, case report of apparent aberrant migration from lungs to spleen and diaphragm

Migration, Parasites
Bain, O., 1976, Bull. World Health Organ., v. 54 (4), 397-401
human filariasis, number of developing and infective larvae dependent upon number of microfilariae penetrating into haemocele of vector, relationship based on proportionality, facilitation and limitation, application to disease control and treatment methods

Migration, Parasites
Bartoli, P., 1973, Bull. Mus. Nat. Hist. Nat., Paris, 3.s. (117), Zool. (91), 319-334
Gymnophallus fossarum in Cardium glaucum, penetration of cercariae and migration, microbiotopes occupied by metacercariae, variation in numbers of metacercariae in the 2 microbiotopes in relation to host size, relation between microbiotope occupied by metacercariae and certain anomalies of host test

Migration, Parasites
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Ascaris suum, rabbit (non-specific host), demonstration of migration phase, sensitiveness of complement-fixation and latex-fixation test

Migration, Parasites
Bhopale, M. K.; and Johri, G. N., 1975, J. Helminth., v. 49 (3), 179-185
Ancylostoma caninum larvae, migration and distribution in various organs and muscles of mice after oral infection with various doses

Migration, Parasites
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Brugia pahangi, high susceptibility of orally exposed neonatal jirds, survival of larvae within stomach and intestinal tract and subsequent migration to other parts of body

Migration, Parasites
Bosworth, W.; Sullivan, J. J.; and Chernin, E., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 700-703
Brugia pahangi, B. malayi, jirds (exper.), viability and oral infectivity of third stage larvae kept in water or recovered from dead mosquitoes, rearward migration of Brugia from mosquito hosts, implications for naturally acquired infections

Migration, Parasites
Bruce, J. I.; and Pezzlo, F., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 563 [Demonstration]
Schistosoma mansoni, mice (exper.), ultrastructure of host skin, lung and liver and of migrating larva integument following cercarial penetration

Migration, Parasites
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gastrointestinal nematodes of cattle, effect of Onthophagus gazella in dung pats on numbers of infective larvae under moist climatic conditions, ecological distribution of larvae resulting from dung beetle activity

Migration, Parasites
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Onchocerca volvulus, route of entry of microfilariae into human eye

Migration, Parasite
Bustamante-Sarabia, J.; Martuscelli-Q., A.; and Tay, J., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 568-569
Ascaris lumbricoides in young woman, massive intestinal infection with migration of parasites from colon through fistula to kidney and through subcutaneous abscess to exterior skin surfaces, clinical case report of fatal illness: State of Guerrero, Mexico

Migration, Parasites
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Enterobius vermicularis in humans, case reports of parasite migration to ectopic sites with resulting granulomata and accompanying pathology, sex of parasite, relationship to area of migration

Migration, Parasites
Chauhan, P. P. S.; et al., 1977, Indian J. Animal Sc., v. 44 (10), 1974, 801-804
Neoascaris vitulorum in albino rats and chickens (both exper.), migratory behaviour, histopathology

Migration, Parasites
Chintanawongse, C.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 581 [Demonstration]
Ascaris fertilized eggs recovered in exudate of thoracoparacenthesis performed on 4-year old girl with undiagnosed fever, upper gastrointestinal X-ray showed Ascaris worm shadows, 10 worms passed after piperazine therapy

Migration, Parasites
Clark, B. L.; Dufty, J. H.; and Parsonson, I. M., 1977, Austral. Vet. J., v. 53 (4), 170-172
Tritrichomonas foetus var. brisbane, passive transmission from infected to non-infected cows during mating with non-infected bulls; application of T. foetus var. brisbane to vulva failed to cause genital infection in cows, suggests that parasite is unable to migrate to vagina

Migration, Parasites
Coelho, P. M. Z.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 161
Schistosoma mansoni, migration of schistosomula collected from hamsters and inoculated intraperitoneally into mice, decreased migratory capacity with increased larval age

Migration, Parasites
Corkum, K. C.; and Beckerdite, F. W., 1975, Am. Midland Naturalist, v. 93 (2), 484-491
Alloglossidium macrobdellensis, life history, description of developmental stages, migration in leech, seasonal incidence and prevalence of infection apparently direct reflection of annual breeding cycle of leech: Louisiana

Migration, Parasites
Croll, N. A., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 31-52
larval nematodes, behavior, review (nematode senses, locomotion, movement patterns as tracked on agar, mechanisms of orientation)

Migration, Parasites
Croll, N. A., 1976, Internat. J. Parasitol., v. 6 (5), 441-448
Nippostrongylus brasiliensis, dispersion in rat intestine related to host feeding and diet

Migration, Parasites
Croll, N. A., 1977, Internat. J. Parasitol., v. 7 (3), 201-204
Nippostrongylus brasiliensis, rats, relative importance of active behavioral factors and passive carriage in larval migration between host's tissues and organs

Migration, Parasites
Daengsvang, S.; Sangsingkeo, P.; and Senivong-Na-Ayudhaya, B., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 260-262
Gnathostoma spinigerum larva excised from finger of man who had symptoms of migratory swelling, pain and itching over left forearm for 2 years, possible transmission by consumption of partially cooked chicken: Thailand

Migration, Parasites
Duke, B. O. L., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 90-91 [Letter]
Onchocerca volvulus in man, speculation that route of entry of microfilariae into eye is along sheaths of ciliary vessels and nerves: Cameroon

Migration, Parasites
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Onchocerca volvulus in humans, factors influencing passage of microfilariae into urine (extra fluid intake, pyrexial episodes, dosage with diethylcarbamazine, host activity), probably from reservoir in kidney glomerular capillaries, implications for epidemiologic surveys

Migration, Parasites
Duke, B. O. L.; Moore, P. J.; and Vincelette, J., 1976, Tropenmed. u. Parasitol., v. 27 (2), 133-144
the population dynamics of Onchocerca volvulus microfilariae during treatment with suramin and diethylcarbamazine

Migration, Parasites
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Hymenolepis diminuta, rats, dietary carbohydrate intake, host's intestinal and blood plasma glucose levels, worm migration

Migration, Parasites
Ebert, D. J.; and Norris, D. E., 1976, J. Mississippi Acad. Sc., Suppl., v. 21, 70 [Abstract]
Thynnascaris (type MB of Norris and Overstreet, 1976) larvae in Trichiurus lepturus (mesentery), migration and localization in white mice (exper.)

Migration, Parasites
Ellis, J. C.; Bourns, T. K. R.; and Rau, M. E., 1975, Canad. J. Zool., v. 53 (12), 1803-1811
Trichobilharzia ocellata, previously infected Anas platyrhynchos and A. rubripes exposed to homologous challenge infections, migration, growth and development, and condition compared to initial infection

Migration, Parasites
Esch, G. W.; Johnson, W. C.; and Coggins, J. R., 1975, Proc. Oklahoma Acad. Sc., v. 55, 122-127
Proteocephalus ambloplitis population dynamics, smallmouth bass (Micropterus dolomieui), lake temperature profile and infection rates, host hormones as possible stimulus for parenteric plerocercoid migration; suggested absence of competitive interaction between P. ambloplitis and Leptorhynchoides thecatus, densities of acanthocephalans and tapeworms and number of pyloric ceca present suggested potential space available for attachment not fully exploited: Gull Lake, Kalamazoo County, Michigan

Migration, Parasites
Eure, H., 1976, Parasitology, v. 73 (2), 205-212
Proteocephalus ambloplitis, population biology in Micropterus salmoides, seasonal incidence of adults vs. larvae, postulated that decline in water temperature in southern latitudes and increase in water temperature in northern latitudes initiates migration of plerocercoids from parenteric to enteric sites where maturation to adult form ensues: reservoir heated by thermal effluents, ERDA Savannah River Plant near Aiken, South Carolina

Migration, Parasites
Ewert, A.; and Bosworth, W., 1975, J. Parasitol., v. 61 (4), 610-614
Brugia malayi, distribution and development in cats reinfected in 1 of 3 ways (on previously infected hind limb only, on contralateral infected limb only, or on both hind limbs simultaneously)

Migration, Parasites
Fernandes, B. J.; et al., 1976, Canad. Med. Ass. J., v. 115 (11), 1111-1114
Alaria americana mesocercariae, massive infection in man with parasites present throughout body, bithionol therapy unsuccessful, diagnosis by lung biopsy confirmed at autopsy, infection probably from eating undercooked frogs' legs, generalized immunologic reactions, clinical report: Ontario, Canada

Migration, Parasites
Fine, P.E.M., 1975, J. Helminth., v. 49 (4), 229-243
Heterakis gallinarum in chickens with concomitant Parahistomonas wenrichi infections, worm fertility (egg production), worm mortality, inter-caecal distribution and migration tendencies of worms with reference to probability of pairing of males and females

Migration, Parasites
Fitzgerald, Paul R., 1974, J. Protozool., v. 21 (2), 336-338
Eimeria stiedai, transmission from donor to recipient rabbits by blood transfusion, data suggest that sporozoites either free in blood or inside macrophages or monocytes are the route by which E. stiedai reaches the liver

Migration, Parasites
Fuglsang, H.; and Anderson, J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 72-73 [Letter]
Onchocerca volvulus in humans, respiratory distress and collapse in several persons receiving diethylcarbamazine as part of mass therapy trials, possible association with unusual presence of microfilariae in circulation: Cameroon

Migration, Parasites
Gabrion, C., 1975, Ztschr. Parasitenk., v. 47 (4), 249-262
Anomotaenia constricta, morphology of adult and egg, morphology, migration and development of cysticercus in intermediate host

Migration, Parasites
Garlick, N. L., 1977, Canine Pract., Santa Barbara, v. 4 (4), 42-47
Pneumonyssus caninum, dogs, chronic respiratory disease, pathology of lesions in bronchi, kidney, fat tissue near renal pelvis, and liver, mite-associated pigments indicate the mite's ability to penetrate tissue and migrate throughout the host's body: dog pounds in Sumter and Columbia, South Carolina

Migration, Parasites
Gaur, S. N. S.; and Dutt, S. C., 1975, Indian Vet. J., v. 52 (6), 474-477
mice fed with irradiated and non-irradiated Ascaris suum eggs, reduced size, motility, and longevity of resulting migrating A. suum juveniles recovered from liver and lungs

Migration, Parasites
Gawish, N., 1976, Egypt. J. Bilharz., v. 3 (1), 115-119
Schistosoma mansoni, S. haematobium, central nervous system pathology in infected humans and hamsters (exper.) compared, migratory pathways of ova to spinal cord shown by means of pathologic tissue changes

Migration, Parasites
Ghandour, A. M.; and Webbe, G., 1975, J. Helminth., v. 49 (3), 153-159
inimical effects of ultra-violet radiation on cercariae of Schistosoma mansoni and S. haematobium, increased mortality during penetration of host mouse skin, inhibited migration of schistosomula in lungs, no recovery of adult worms, possible practical significance

Migration, Parasites
Ghandour, A. M.; and Webbe, G., 1975, J. Helminth., v. 49 (3), 161-165
Schistosoma mansoni, fate of gamma-irradiated cercariae during migration as schistosomula in mice: penetration proceeded normally, migration and maturation inhibited, first site of damage in lungs but majority destroyed in liver

Migration, Parasites
Gingrich, R. E., 1975, Folia Entom. Mexicana (33), 67-69
migration behavior of larval Cuterebra fontinella in normal and resistant (previously infested) Peromyscus leucopus; faster migration and more abnormal sites in resistant hosts

Migration, Parasites
Giordano, C.; et al., 1976, Medecine Afrique Noire, v. 23 (2), 83-87
case reports of human spinal cord compression by Dracunculus medinensis, clinical aspects, medical management: Ivory coast

Migration, Parasites
Gray, J. S., 1977, Parasitology, v. 75 (3), 285-292
Raillietina cesticillus, diurnal migration in both multiple and single worm infections of fowl, may explain lack of inflammation around sites of scolex attachment, may be related to feeding activity of host

Migration, Parasites
Habe, S., 1975, Bull. Azabu Vet. Coll. (30), 83-104
Paragonimus westermani, dogs (exper.), parenteral infections, worm migration and development as compared to oral infections

Migration, Parasites
Hadlow, W. J.; Ward, J. K.; and Krinsky, W. L., 1977, Cornell Vet., v. 67 (2), 272-281
Hypoderma bovis, horse (brain), intracranial migration of larva, pathology: Ravalli County, western Montana (originally from American Falls, Idaho)

Migration, Parasites
Harness, E.; Doy, T. G.; and Hughes, D. L., 1977, Internat J. Parasitol., v. 7 (1), 51-54
Fasciola hepatica, early migratory behaviour in sensitized mice, more rapid migration to liver accounts for lower fluke recovery from peritoneal cavity as compared to non-sensitized controls; cellular changes in intestinal wall of normal and sensitized mice following challenge infection with normal metacercariae

Migration, Parasites
Hauck, A. K., 1977, J. Parasitol., v. 63 (3), 515-519
Anisakis sp. larvae in Clupea harengus pallasi from Yaquina Bay, Oregon, effects of various methods of handling and processing (fresh, frozen, brine, cold smoked, and cold smoked-gibbed) on migration into and survival in flesh of fish, implications for transmission to humans

Migration, Parasites
Hawking, F., 1975, Advances Parasitol., v. 13, 123-182
circadian and other rhythms of parasites, extensive review: rhythms depending on synchronous cell division, on discharge of infective forms, and on migrations of the same individuals; rhythmic migrations of intestinal worms; rhythms outside principal host; interrelation with rhythms of host environment; mathematical treatment; annual and other rhythms

Migration, Parasites
Hiatt, W. R., 1969, Oral Surg., v. 28 (4), 610-612
Ascaris lumbricoides, adult female, removed from submandibular mass on neck of small child, probable migration through thyroglossal duct via vomitus, clinical case report: Guam, Mariana Islands

Migration, Parasites
Hindsbo, O., 1973, Norwegian J. Zool., v. 21 (4), 328 [Abstract]
anterior migration of Nippostrongylus brasiliensis in small intestine of rats during primary and secondary infections correlated to self-cure; experiments with prednisolone-treated rats showed that anterior migration is independent of worm expulsion

Migration, Parasites
Ho, B.-C.; Singh, M.; and Yap, E.-H., 1974, J. Med. Entom., v. 11 (5), 622-628
Brugia malayi, Dirofilaria immitis, Breinlia sergenti, migratory patterns in Aedes togoi (exper.), spontaneous escape of infective larvae from mosquitoes denied access to a blood meal; level of host microfilaremia does not seem to influence mortality rate or migratory patterns of infective larvae in mosquitoes

Migration, Parasites
Ho, B.-C.; Yap, E.-H.; and Singh, M., [1975], Ann. Parasitol., v. 49 (6), 1974, 741-750
Breinlia sergenti, larval development and migration in Aedes togoi

Migration, Parasites
Hughes, W. L.; and Harley, J.P., 1977, Exper. Parasitol., v. 42 (2), 363-373
Trichinella spiralis, first-stage migratory larvae, taxes, response to chemicals associated with energy source for muscular contraction, response to electrical stimuli associated with membrane potentials and to KCl gradient

Migration, Parasites
Iwamoto, I., 1972, Nettai Igaku (Trop. Med.), v. 14 (3), 124-137
Dirofilaria immitis, Wuchereria bancrofti, in vitro survival in various media, effects of temperature; D. immitis survival in dogs (exper.), periodicity, migration and localization

Migration, Parasites
James, T., 1970, Med. Proc., Johannesburg, v. 16 (8), 127-131
Ascaris lumbricoides abscess of liver in young children, clinical symptoms and pathology

Migration, Parasites
Kayes, S. G.; and Oaks, J. A., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 575-580
effect of inoculum size and length of infection on distribution of Toxocara canis larvae in mouse, analysis of variance of larval recovery from various organs, crowding effect observed in heavy infections manifested as altered dispersion rates

Migration, Parasites
Lang, B. Z., 1976, J. Parasitol., v. 62 (2), 232-236
Fasciola hepatica, treatment of 16-day-old flukes in anti-worm incubate sera and anti-25-day infection sera, significant decrease in ability to continue migration in normal recipient mice; successful vaccination with a crude incubate antigen

Migration, Parasites
Lawson, R.; and Draskau, T., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 289 [Demonstration]
Schistosoma mansoni schistosomula, cine photography used to investigate changes in body shape and in the pattern of activity during migration within the host, worm growth begins when worms reach the host liver

Migration, Parasites
Leaney, A. J., 1977, Parasitology, v. 75 (2), xxviii-xxix [Abstract]
Leishmania mexicana amazonensis in Lutzomyia longipalpis (exper.) maintained at 3 different temperatures (22, 24, and 28 °C.), distribution of parasites and degree of infection at 24h intervals from 2 to 8 days after infective feed compared, appears that small changes in temperature may have marked effect on development and behavior of Leishmania in sandflies and therefore on transmission

Migration, Parasites
Lee, K. T.; Little, M. D.; and Beaver, P. C., 1975, J. Parasitol., v. 61 (4), 589-598
Ancylostoma caninum larvae, persistence and intracellular (muscle-fiber) habitat in vertebrate paratenic hosts and nature of host responses studied in mouse, cat, and rhesus monkey (all exper.); larvae also recovered by tissue digestion from muscles of naturally infected dogs

Migration, Parasites
Lee, K.-T.; Min, H.-K.; and Soh, C.-T., 1976, J. Parasitol., v. 62 (3), 460-465
Toxocara canis, migration and distribution in nonpregnant mice and mice infected at various intervals before and after pregnancy; results suggest that transplacental migration is influenced by developmental stages of placenta

Migration, Parasites
Levin, M. B., 1969, Pediatrics, Am. Acad. Pediat., v. 44 (1), 125-126
oxyuriasis in young females, pain and restlessness during night time sleep attributed to migration of female pinworm into vaginal area from anal area in order to deposit eggs

Migration, Parasites
Lewis, J. W.; and Bryant, V., 1976, J. Helminth., v. 50 (3), 163-171
Nematospiroides dubius, distribution within small intestine of mice up to 60 days post-infection, relation of establishment and pattern of distribution to host age and sex, degree of aggregation of worm populations with respect to host intestine and to each other

Migration, Parasites
Lie Kian Joe; and Heyneman, D., 1976, J. Parasitol., v. 62 (2), 292-297
laboratory-raised juvenile albino Biomphalaria, wide range of natural resistance to single infection with 50 or 100 miracidia of Echinostoma lindoense, migration route of sporocysts in relation to likelihood of sporocyst entrapment and encapsulation and destruction, tissue reactions, changes in amebocyte-producing organ

Migration, Parasites
Londono M., I., 1976, J. Parasitol., v. 62 (4), 589-595
Dipetalonema viteae larvae, distribution and migration in Ornithodoros tartakowskyi, as cause of injury to and disorganization of tick muscle fibers, failure of some ticks to feed after biting may protect from fatal hyperinfection

Migration, Parasites
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Trichobilharzia ocellata, proliferating cells of cercariae, 6 nuclear classes identified on basis of interphase nuclear morphology, assignment to specific phase of cell cycle on basis of microspectrophotometric and autoradiographic evidence, cells divide mitotically throughout all stages of cercarial development, no evidence of diploid parthenogenetic reproduction

Mitosis
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Mesocestoides corti tetrathyridia, presence of large basophilic cells in various stages of mitosis, largest number behind suckers, importance in regeneration after amputation and in asexual reproduction by longitudinal fission

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Mitosis
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Mixed infections
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Mixed infections
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Mixed infections
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Mixed infections
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Mixed infections
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Tetragomphius sp. in Martes melampus melampus (pancreatic duct), mixed infection with small flukes (probably Concinnum ten), pathological changes: Miyazaki Prefecture

Mixed infections
Azamar Alfredo, R., 1977, Medicina, Mexico, an. 57 (1218), v. 57, 70-72
Trichomonas vaginalis as mixed vaginal infection with Candida albicans, good results in clinical trials using combined tinidazole-nystatin vaginal therapy: Mexico

Mixed infections
Babu, K. S. J.; Seshadri, S. J.; and Mohiyuddeen, S., 1976, Indian Vet. J., v. 53 (1), 47-54
coccidiosis, poultry, field cases, diagnosis, pathology, relationship of infection to age and sex of host

Mixed infections
Balasingam, E.; Lim, B. L., and Ramachandran, C. P., 1969, Med. J. Malaya, v. 23 (4), 300-304
parasitologic study of intestinal helminths prevalent in resident population of islands off West Malaysia

Mixed infections
Balauca, N., 1976, Arch. Exper. Vet.-Med., v. 30 (6), 903-912
Eimeria acervulina, E. necatrix, and E. mitis in cage-kept hens (exper.), mixed infections with Clostridium perfringens causing necrotic enteritis, little pathologic changes from mono-infections

Mixed infections
Balauca, N.; et al., 1976, Arch. Exper. Vet.-Med., v. 30 (6), 913-923
E[imeria] acervulina, E[imeria] necatrix, and E[imeria] mitis in ground-kept hens (exper.), mixed infections with Clostridium perfringens causing necrotic enteritis, higher mortality in ground-kept hens than cage-kept hens

Mixed infections
Barbee, W. C.; Ewert, A.; and Folse, D., 1977, Trop. and Geogr. Med., v. 29 (1), 65-73
mixed Brugia malayi-fungal infections of lymphatic system in cats (exper.) resulted in exacerbation of both infections

Mixed infections
Barsoum, R. S.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 387-391
human hepatosplenic schistosomiasis with renal involvement and associated renal salmonellosis, possible relationships in pathogenesis of renal lesions

Mixed infections
Basile, F., 1970, Minerva Ginec., v. 22 (11), 584-587
Trichomonas vaginalis, human vulvo-vaginitis associated with moniliasis, pimaricin suppositories and topical cream more effective than suppositories alone

Mixed infections
Basset, M.; et al., 1975, Medecine Trop., v. 35 (6), 475-476
mixed Strongyloides infections apparent after treatment of Necator americanus and Ancylostoma duodenale with alcopar or didakene, case reports, statistics

Mixed infections
Bassily, S.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (11), 256-258
Schistosoma mansoni in humans, Salmonella and schistosomal associated nephrotic syndrome, pathologic changes, immunoglobulin levels and serum complement pre- and post-treatment with niridazole and ampicillin

Mixed infections
Beer, R. J.; and Rutter, J. M., 1972, Research Vet. Sc., v. 13 (6), 593-595
Trichuris suis, weaned pigs (exper.), syndrome resembling swine dysentery, demonstration of spirochaetal invasion of colonic mucosa, possible significance of association of nematode and bacteria

Mixed infections
Behnke, J. M.; et al., 1976, Parasitology, v. 73 (2), xv [Abstract]
Trichinella spiralis expulsion from mice, effect on concurrent helminth infections (Hymenolepis diminuta, H. microstoma, Aspiculuris tetraptera)

Mixed infections
Behnke, J. M.; Bland, P. W.; and Wakelin, D., 1977, Parasitology, v. 75 (1), 79-88
rejection phase of Trichinella spiralis infection in mice had marked negative effect on growth and survival of Hymenolepis diminuta, this effect was not mediated by direct cross-immunity nor was it a direct consequence of inter-specific competition

Mixed infections
Behnke, J. M.; Wakelin, D.; and Wilson, M. M., 1977, Parasitology, v. 75 (2), xxxiv-xxxv [Abstract]
interactions between intestinal phase of Trichinella spiralis and Nematospiroides dubius

Mixed infections
Belehu, A.; Poulter, L. W.; and Turk, J. L., 1976, Infect. and Immun., v. 14 (2), 457-462
hamsters, effect of Plasmodium berghei or P. yoelii malaria on concurrent Leishmania enriettii infection depended on relative timing of two infections

Mixed infections
Bennett, G. F.; and Cameron, M. F., 1975, J. Parasitol., v. 61 (6), 1091-1095
Leucocytozoon fringillinarum, L. dubreuili, L. majoris, mixed infections, passeriform birds; concluded that species identification must be based on morphological criteria, and host specificity alone is not a valid diagnosis

Mixed infections
Benz, G. W.; and Ernst, J. V., 1976, Am. J. Vet. Research, v. 37 (8), 895-899
Cooperia punctata and/or Eimeria bovis-infected calves, reduced alkaline phosphatase activities in intestinal mucosa

Mixed infections
Berry, A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 263-264 [Demonstration]
Schistosoma mattheei, S. haematobium, S. mansoni, single or mixed infections in humans, diagnosis of gynecological involvement using Papanicolaou cytologic smears

Mixed infections
Berry, A., 1976, Acta Cytol., v. 20 (4), 361-365
Schistosoma spp., differential diagnosis of ova especially when multispecies infections detected in female genital tract on cytology smears

Mixed infections
Biernat, A.; and Doroba, Z., 1976, Polski Tygod. Lekar., v. 31 (20), 857-858
Trichomonas vaginalis, urethral trichomoniasis in 24-year-old man with associated ulcerative balanitis of unknown etiology, resolution of both infections after metronidazole therapy: Warsaw

Mixed infections
Bliss, D. H.; and Todd, A. C., 1977, Vet. Med. and Small Animal Clin., v. 72 (10), 1612-1617
milk production in dairy cows exposed to mixed trichostrongylid larvae, results indicate that greatest milk loss occurs during the first 90 days of lactation, relationship between exposure time and stage of lactation

Mixed infections
Boonstra, R., 1977, Canad. J. Zool., v. 55 (6), 1057-1060
Wohlfahrtia vigil, seasonal incidence and effect on Microtus townsendii populations, parasitism seemed to be facilitated by presence of Cuterebra spp.: Westham Island, British Columbia

Mixed infections
Boorman, G. A.; et al., 1973, Lab. Animal Sc., v. 23 (2), 187-193
Hexamita muris, Giardia muris, potentially pathogenic in newly weaned mice, causing enteritis and mortality in association with normal intestinal bacterial flora, quinacrine dihydrochloride not effective in reducing mortality, dimetridazole effective

Mixed infections
Borowski, J.; et al., 1970, Med. Dosw. i Mikrobiol., v. 22 (1), 83-89
Trichomonas vaginalis, mice (exper.), in mixed infection with Candida albicans fungus cells increased and Trichomonas cells decreased but became predominant infection in spleen or liver

Mixed infections
Boss, J. M.; Lie, K. J.; and Ow-Yang, C. K., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 137 [Demonstration]
synergistic response to Trichobilharzia brevis-infected Lymnaea rubiginosa (exper.) when exposed to infections of Echinostoma hystricosum miracidia

Mixed infections
Boss, J. M.; Lie, K. J.; and Ow-Yang, C. K., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (2), 241-245
Lymnaea rubiginosa (exper.), snails harboring Trichobilharzia brevis more susceptible to superinfections with Echinostoma hystricosum beginning 7 days after initial exposure to T. brevis

Mixed infections
Bosworth, W.; and Ewert, A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 21-25
Brugia malayi in cats (exper.), added fection of beta haemolytic streptococcus to hind leg regions resulted in elephantiasis, patterns of infections reversible with collateral lymphatic vessels developing

Mixed infections
Bosworth, W.; Ewert, A.; and Flores, A. E., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 255-259
Brugia malayi, cats (exper.), determination of antistreptolysin O titers in filariasis and comparison of titers in combined filariasis and streptococcal involvement, attempted correlation with observable pathology

Mixed infections
Braca, G.; and Arispici, M., 1974, Atti Soc. Ital. Sc. Vet., v. 28, 708-710
Dictyocaulus viviparus, pathology of parasitic bronchitis in cattle, possible relationships to non-parasitic respiratory infections

Mixed infections
Bradley, R. L., 1976, Vet. Med. and Small Animal Clin., v. 71 (9), 1233-1234
Haemobartonella felis, feline infectious anemia, mixed with leukemia virus, chloramphenicol, tetracycline, fair results

Mixed infections
Bruce, R. G.; and Wakelin, D., 1977, Parasitology, v. 74 (2), 163-173
Trichinella spiralis, Trichuris muris, concurrent infection in mice, interactive expulsive response considered an example of indirect cross-immunity with no element of antigenic similarity, involvement of cell-mediated inflammatory response strongly suggested

Mixed infections
Buengener, W., 1975, Tropenmed. u. Parasitol., v. 26 (3), 281-284
Trypanosoma musculi in inbred mice (exper.), parasite multiplication and course of infection in single infection, after pre-infection with T. congolense, or with added infection of T. brucei

Mixed infections
Buengener, W., 1975, Tropenmed. u. Parasitol., v. 26 (3), 285-290
Plasmodium berghei-infected mice (exper.), added infection of Trypanosoma musculi results in rapid multiplication of trypanosome parasites with distribution into multiple body organs and tissues, infection course

Mixed infections
Buengener, W., 1975, Tropenmed. u. Parasitol., v. 26 (3), 291-294
Trypanosoma musculi strain passaged several years in mice (exper.), infection course and development in pregnant mice, Plasmodium berghei-infected mice, or normal mice given either heavy or weak infections

Mixed infections
Bulucea, D., 1971, Pediatria, Bucuresti, v. 20 (2), 163-168
mixed ascariasis and lambliasis in young child with persistent eosinophilia which was not relieved by cure of parasitemia, clinical case report: Romania

Mixed infections
Bulucea, D.; and Rarinca, A., 1972, Microbiol., Parazitol., Epidemiol., Bucuresti, v. 17 (2), 169-174
mixed ascariasis and Trichocephalus infection in woman complicated by pleuro-pulmonary staphylococcal pathology, probable parasitic allergic reactions involved in etiology, case report

Mixed infections
Bwangamoi, O., 1972, Bull. Epizoot. Dis. Africa, v. 20 (3), 211-220
ringworm (Trichophyton equinum) of horses, concurrent heavy infestation with Boophilus decoloratus and one case of Besnoitia bennetti, case reports; Uasin Gishu Skin Disease is a misleading name and should be abandoned because it refers to clinical syndrome produced by different causal organisms: Kahawa, Kenya

Mixed infections
Campbell, W. C.; Malanga, C. M.; and Conroy, J. A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 163
Trichinella spiralis infected mice, no significant protection against subsequent Trypanosoma cruzi infection

Mixed infections
de Carneri, I.; and Di Re, F., 1972, Parassitologia, v. 14 (2-3), 267-268
Trichomonas vaginalis, human, frequency, negative correlation with frequency of moniliasis, significance in control: Sesto San Giovanni (Milano)

Mixed infections
Catchpole, J.; Norton, C. C.; and Joyner, L. P., 1976, Parasitology, v. 72 (2), 137-147
4 Eimeria spp., lambs, monospecific or multispecific infections, pattern and level of oocyst production, clinical symptoms

Mixed infections
Champetier, J.; et al., 1975, Nouv. Presse. Med., v. 4 (29), 2111-2112 [Letter]
human hepatic echinococcosis in man with associated distomiasis of biliary tract and cholelithiasis discovered at surgical intervention, clinical case report: France (native Algerian)

Mixed infections
Chessum, B. S., 1972, Brit. Vet. J., v. 128 (7), xxiii-xxxvi
Isospora felis, cats (exper.), reactivation of latent Toxoplasma gondii infection

Mixed infections
Cloutman, D. G.; and Becker, D. A., 1977, J. Parasitol., v. 63 (2), 372-376
Ergasilus centrarchidarum on Micropterus salmoides and M. punctulatus, some ecological aspects: host specificity; abundance related to host age and sex; seasonal abundance and egg production, optimum temperatures; no evidence of antagonism with other concomitant species of gill parasites: Lake Fort Smith, Crawford County, Arkansas

Mixed infections
Colley, F. C.; Lim, H. K.; and Lie, K. J., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 142-143
Nosema eurytremae found in tissue of Bradybaena similaris (epicardium, pericardium) as well as hyperinfecting Postharmostomum gallinum, first evidence that Nosema life cycle can be completed in snail tissue

Mixed infections
Combescot-Lang, C., 1976, Ann. Parasitol., v. 51 (1), 27-36
11 cercariae found in Littorina saxatilis (hepatopancreas), host age and sex, mixed infections, parasitic castration: region de Roscoff (Finistere)

Mixed infections
Corrier, D. E.; and Adams, L. G., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 60-65
Anaplasma marginale, Babesia bigemina, concurrent infections in calves (exper.), clinical course, serological response, pathological manifestations

Mixed infections
Cypess, R. H.; et al., 1974, J. Infect. Dis., v. 130 (5), 534-538
Nematospiroides dubius, influence of parasitic infection in mouse (exper.) on enteric colonization and immune response to Escherichia coli

Mixed infections
Dallas, A. B. C., 1976, J. Trop. Med. and Hyg., v. 79 (8), 182-188
Trypanosoma brucei rhodesiense, Plasmodium berghei yoelii, mice, mutual potentiation of concurrent infections, possibly caused by immunosuppression

Mixed infections
Davies, E. E.; and Howells, R. E., 1976, Ztschr. Parasitenk., v. 48 (3-4), 297 [Abstract]
Plasmodium berghei and associated infections in Anopheles stephensi mid-gut: rickettsial-like particles, no concomitant infection; virus-like particles within morphologically abnormal oocysts and similar particles within mid-gut epithelial cells; virus-like particles in mid-gut epithelial cells but not in oocysts

Mixed infections
Della Bruna, C.; and Xenia, B., 1976, J. Parasitol., v. 62 (3), 490-491
Nippostrongylus brasiliensis: reduced worm burden and prolonged infection in mice harboring Nematospiroides dubius

Mixed infections
Dembele, M.; and Sangare, S., 1974, Medecine Afrique Noire, v. 21 (2), 155-157
man, case report, Schistosoma haematobium pulmonary infection in association with hydatid cyst of lung: Mali

Mixed infections
Deutsch, J., 1974, Paediat. u. Paedol., v. 9 (2), 168-172
toxoplasmosis in young child with concurrent cat scratch infection, case report, cat probable source of both infections: Austria

Mixed infections
Dobos-Kovacs, M.; and Kardevan, A., 1976, Magy. Allat. Lapja, v. 98, v. 31 (1), 53-61
Toxoplasma, dogs, case histories and histopathology of generalized infection, tachyzoites, concurrent with distemper, generalized form of toxoplasmosis may be regarded as secondary infection associated mainly with distemper, reduced resistance making its manifestation possible

Mixed infections
Dobsinsky, O., 1974, Vet. Med., Praha, v. 47, v. 19 (5), 255-263
polyparasitism by helminths in cattle, incidence, population dynamics, seasonal distribution: Cuba

Mixed infections
Doucet, J.; et al., 1972, Medecine Afrique Noire, v. 19 (spec. no.), 99-100
human schistosomiasis, survey of associated intestinal parasites: Adzope

Mixed infections
Dubey, J. P., 1976, Nature, London (5565), v. 262, 213-214
Toxoplasma gondii, reshedding of oocysts by chronically infected cats in absence of exogenous reinfection, effect of superinfection with Isospora rivolta or I. felis, public health implications

Mixed infections
Duron, J. J.; Benhamou, G.; and Nardi, C., 1975, Nouv. Presse. Med., v. 4 (18), 1364 [Letter]
hepatic echinococcosis in man with associated distomiasis discovered during surgical procedure to remove hydatid cysts, metronidazole and dehydroemetine therapy, clinical case report and review of diagnostic difficulties: Paris

Mixed infections
Dwork, K. G.; Jaffe, J. R.; and Lieberman, H. D., 1975, N. York State J. Med., v. 75 (8), 1230-1234
Strongyloides stercoralis, massive hyperinfection in humans with attenuated cell-mediated immunity, case report of mixed infection with toxoplasmosis, literature review of known cases, thiabendazole therapy helpful

Mixed infections
Dymowska, Z.; et al., 1974, Med. Dosw. i Mikrobiol., v. 26 (3), 247-250
Toxoplasma gondii antibody levels determined by immunofluorescence in persons with Isospora hominis infection, no essential correlation found

Mixed infections
Egorov, V. I., 1968, Botan. i Zool. Issled. Dal'nem Vostoke, v. 2, 250-255
ascariasis, trichuriasis, oesophagostomiasis, swine, single and mixed infections in various combinations, control studies, best system used dehelminthization 4 times a year

Mixed infections
Emslie, V. W.; and Kershaw, W. E., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 7 [Demonstration]
mice infected with Trypanosoma brucei, treated with antrypol and then infected with Litomosoides carinii, decreased host resistance to subsequent infection and to relapse from first infection, few visible immunologic changes observed

Mixed infections
Esch, G. W.; Johnson, W. C.; and Coggins, J. R., 1975, Proc. Oklahoma Acad. Sc., v. 55, 122-127
Proteocephalus ambloplitis population dynamics, smallmouth bass (Micropterus dolomieui), lake temperature profile and infection rates, host hormones as possible stimulus for parenteric plerocercoid migration; suggested absence of competitive interaction between P. ambloplitis and Leptorhynchoides thecatus, densities of acanthocephalans and tapeworms and number of pyloric ceca present suggested potential space available for attachment not fully exploited: Gull Lake, Kalamazoo County, Michigan

Mixed infections
Esuruoso, G. O., 1977, Bull. Animal Health and Prod. Africa, v. 25 (1), 65-72
Demodex folliculorum var. bovis in exotic and indigenous cattle, incidence, treatment trials (best results with selenium sulphide), constant presence of Staphylococcus aureus in lesions of demodectic mange indicated that it might aid in spread of lesions, immunization with S. aureus resulted in the reduction of mange lesions: southern Nigeria

Mixed infections
Farnell, D. R., 1976, J. Alabama Acad. Sc., v. 47 (3), 173 [Abstract]
Dipetalonema reconditum, dogs, possibly antagonistic to Dirofilaria immitis

Mixed infections
Felsenfeld, O.; and Wolf, R. H., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 335-340
cross-reactions and interference between Trypanosoma brucei and Borrelia turicatae, antigenic analysis, fluorescent antibody, and immobilisine studies, prolonged survival of mice simultaneously infected with both species

Mixed infections
Forgacs, J.; and Tarnoczy, P., 1973, Minerva Ginec., v. 25 (4), 210-217
Trichomonas vaginalis vaginitis and mixed moniliasis infections, humans, use of vaginal methyl-partricin compared with control protozoacides; metronidazole superior for single infections, methyl-partricin for mixed infections

Mixed infections
Freeman, B. J.; et al., 1973, J. Protozool., v. 20 (4), 512
effects of Trypanosoma lewisi on concurrent infections with Hymenolepis diminuta, rats

Mixed infections
Furfaro, M.; Ferro, P.; and Maragliano, G., 1973, Minerva Ginec., v. 25 (3), 160-164
human Trichomonas vaginalis, mixed vaginal infections with Monilia, statistical survey, highest incidence during pregnancy with low incidence prior to puberty and after menopause

Mixed infections
Genc, S., 1976, Mikrobiyol. Bul., v. 10 (3), 303-306
mixed Giardia lamblia and Trichomonas intestinalis infections, child, resochin and metronidazole treatments successful: Turkey

Mixed infections
Gheorghescu, P.; et al., 1976, Med. Interne, Bucarest, v. 14 (1), 31-38
Giardia infections alone or in combination with Strongyloides or Taenia solium, absorption studies before and after treatment

Mixed infections
Giambrone, J. J.; et al., 1977, Poultry Science, v. 56 (1), 243-246
Eimeria tenella, increased susceptibility in chicks previously exposed to infectious bursal disease virus

Mixed infections
Gilman, R. H.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (2), 186-189
Entamoeba histolytica, significant correlations with presence of Edwardsiella tarda in stools of persons with bloody diarrhea, disappearance of both organisms from stools of patients treated with metronidazole: Malaysia

Mixed infections
Gleason, L. N., 1977, Tr. Kentucky Acad. Sc., v. 38 (1-2), 62-68
Fasciola hepatica, Hymenolepis nana, concurrent infestations in mice (exper.), pathology and variation in sequence and timing of infestations

Mixed infections
Glew, R. H.; et al., 1974, J. Infect. Dis., v. 129 (4), 385-390
Plasmodium falciparum in young girl, strain with resistance to chloroquine, quinacrine, pyrimethamine and chlorguanide, radical cure obtained with pyrimethamine and sulfadiazine in combination; delayed primary attack with Plasmodium vivax: Maryland (had traveled and engaged in field work in remote area of eastern Colombia)

Mixed infections
Golenser, J.; Spira, D. T.; and Shmuel, Z., 1976, Parasitology, v. 73 (2), xiii [Abstract]
rats, mutual influence of infection with Plasmodium berghei and Nippostrongylus brasiliensis

Mixed infections
Graves, I. L.; Adams, W. H.; and Pyakural, S., 1975, Am. J. Vet. Research, v. 36 (6), 843-845
Babesia bigemina, Bos grunniens moved from high to low altitude and challenged with influenza A viruses, hemolytic anemia, possible explanations, death due to Fasciola hepatica and F. gigantica, incidental finding of Bunostomum sp., Trichuris sp., Neoascaris vitulorum, Dictyocaulus sp., coccidia, some reasons for poor survival of yaks at low altitude: Nepal

Mixed infections
Grelck, H.; Hoerchner, F.; and Woehrl, H., 1977, Berl. u. Munchen. Tierarztl. Wchnschr., v. 90 (19), 371-373
Fasciola hepatica-infected ponies, orally and intraperitoneally, rate of development of parasite, most liver flukes found in animals severely infected with Strongylus and Trichonema

Mixed infections
Grieve, R. B.; Bergstrom, R. C.; and Belden, E. L., 1977, Vet. Parasitol., v. 3 (4), 343-348
dual infection of lambs with Trichostrongylus colubriformis and chlamydiae

Mixed infections
Hall, G. A.; Rutter, J. M.; and Beer, R. J. S., 1976, J. Comp. Path., v. 86 (2), 285-292
Trichuris suis, sequential development of large intestinal lesions in piglets (conventionally reared vs. specific-pathogen-free vs. gnotobiotic) studied histologically, synergistic effect of T. suis and bacterial flora in disease process

Mixed infections
Halvorsen, O.; and Macdonald, S., 1972, Norwegian J. Zool., v. 20 (4), 265-272
Cyathocephalus truncatus, Crepidostomum metoecus, and C. farionis from Salmo trutta, distribution and site selection in alimentary canal for single species and multispecies infections, seasonal variation: Lake Melingen and Lake Nedre Fiplingvatn, Norway

Mixed infections
Hargus, E. P.; et al., 1976, Clin. Pediat., Philadelphia, v. 15 (10), 927-929
fecal survey of elementary school children of Latin American origin for prevalence of intestinal parasites, correlation with length of residency in United States: Hartford, Connecticut

Mixed infections
Hein, H. E., 1976, Exper. Parasitol., v. 39 (3), 415-421
Eimeria acervulina, E. brunetti, E. maxima, pathogenic effects of single vs. mixed infections with low doses of oocysts in chickens, changes in mean weight and oocyst output

Mixed infections
Hendow, H. T.; Storey, D. M.; and Kershaw, W. E., 1976, Parasitology, v. 73 (2), xiii [Abstract]
Litomosoides carinii and Trypanosoma brucei, hooded rats, effect of combined infections (in some of which trypanosomiasis was cured with Berenil and in some allowed to run its course)

Mixed infections
Henriksen, S. A., 1977, Nord. Vet.-Med., v. 29 (10), 452-457
Fasciola hepatica, cattle (faeces), mixed infection with Buxtonella sulcata poses no problems in differential diagnosis relative to helminth eggs or coccidia: Kolding, Denmark

Mixed infections
Higashi, G. I.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 713-714
Schistosoma mansoni, nephrotic syndrome complicated by chronic salmonellosis, studies suggest active role of Salmonella rather than schistosomiasis as cause of associated pathology

Mixed infections
Higashi, G. I.; and Young, S. W., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 343 [Letter]
human schistosomes, antigenic relationships with salmonellae, possibly shared surface antigens aid symbiotic state

Mixed infections
Hohorst, W., 1976, Ztschr. Parasitenk., v. 50 (2), 195-196
Dicrocoelium dendriticum-infected ants also infected with braconid larvae

Mixed infections
Hoo, C. C.; and Sandosham, A. A., 1968, Med. J. Malaya, v. 22 (4), 299-301
morphology of early forms of Hepatocystis fieldi and exper. Plasmodium traguli in Tragulus javanicus

Mixed infections
Hughes, D. L.; Purnell, R. E.; and Brocklesby, D. W., 1977, Vet. Rec., v. 100 (15), 320-321
Fasciola hepatica in intact and splenectomised calves, effect of subsequent Babesia divergens infections, results show tendency for F. hepatica to exacerbate B. divergens infections of intact calves, but not splenectomised calves

Mixed infections
Jenkins, S. N.; and Behnke, J. M., 1977, Parasitology, v. 75 (1), 71-78
Trichuris muris, mice, primary immune expulsion markedly delayed by concurrent infection with Nematospiroides dubius, possible relevance in pathogenesis of concurrent tropical diseases

Mixed infections
Jenkins, S. N.; and Behnke, J. M., 1977, Parasitology, v. 75 (2), xxxiv [Abstract]
Trichuris muris, delay of primary expulsion in mice concurrently infected with Nematospiroides dubius

Mixed infections
Kaplan, M. H.; and Bernstein, L. S., 1974, Mil. Med., v. 139 (6), 444-448
Plasmodium vivax, U.S. soldiers in Vietnam, improved care with primaquine combined with chloroquine therapy; survey of servicemen shows frequent mixed hookworm infections, increased serum IgM levels and decreased cholesterol levels

Mixed infections
Karp-Damdin, M., 1975, Przegl. Dermat., v. 62 (2), 215-217
Trichomonas vaginalis, human vaginal trichomoniasis frequently associated with gonorrheal infections, incidence survey in Rzeszow, Poland

Mixed infections
Katamine, D.; et al., 1972, Nettai Igaku (Trop. Med.), v. 14 (4), 186-197
Paragonimus in humans, epidemiologic survey of village inhabitants and vector crabs (Eriocheir japonicus), higher incidence of Metagonimus yokogawai infection than paragonimiasis in villagers: Hata District, Kochi Prefecture, Japan

Mixed infections
Kazacos, K. R., 1976, J. Parasitol., v. 62 (3) 493-494
Trichinella spiralis-immunized rats, increased resistance to Strongyloides ratti; lack of cross-reacting precipitating antibodies in in vitro tests

Mixed infections
Khalil, H. M.; et al., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 599-601
toxocariasis in young children, significantly higher incidence of parasitic infection in children suffering from chronic poliomyelitis than in normal children: Egypt

Mixed infections
Kloetzel, K.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (5), 652-658
Trypanosoma cruzi, Schistosoma mansoni, mice, concomitant infections varying in order of and intervals between exposures, parasitemia, worm burdens, mortality, development of infection

Mixed infections
Kloetzel, K.; Pedroso, W.; and do Nascimento, E., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 165-166 [Letter]
Toxoplasma gondii and Trypanosoma cruzi (Brazil strain), mixed infections in experimental mice resulted in increased pathogenicity, application to epidemiologic surveys and variations in expected clinical patterns of infections

Mixed infections
Knight, R.; and Warren, K. S., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (5), 644-651
mice, outcome of Entamoeba histolytica challenge at different stages of Schistosoma mansoni infection, synergistic relationship, interaction affected both infectivity of E. histolytica inoculum and also likelihood of amoebic tissue invasion, prepatent schistosome infections without effect and unisexual infections somewhat more susceptible than controls

Mixed infections
Kocan, A. A., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 237-241
influence of Nippostrongylus brasiliensis on establishment of Angiostrongylus cantonensis, role of various organs, laboratory rat

Mixed infections
Komandarev, S.; et al., 1977, Dokl. Bolgar. Akad. Nauk, v. 30 (4), 567-569
Trichinella spiralis, rats (exper.), increase in peritoneal macrophages creates protection in subsequent infection by Erysipelothrix rhusiopathiae

Mixed infections
Krettli, A. U., 1977, J. Protozool., v. 24 (4), 514-518
Trypanosoma cruzi, mice, exacerbating effect of acute infection by Plasmodium berghei superimposed on course of chronic Chagas' disease

Mixed infections
Krick, J. A.; and Remington, J. S., 1975, J. Infect. Dis., v. 131 (6), 665-672
mice infected with Toxoplasma gondii or Besnoitia jellisoni, significant resistance to mixed infections with nocardiosis, possible cell-mediated immunity

Mixed infections
Kulda, J.; Suchankova, E.; and Svoboda, S., 1974, Acta Vet. Brno, v. 43 (1), 53-64
Tetratrichomonas gallinarum, synonymy; axenic culture of 10 strains isolated from poultry, virulence determined by mouse assay did not reflect pathogenicity for turkey poults, results indicate T. gallinarum should not be considered serious pathogen; enterohepatitis caused by mixed infection with Histomonas meleagridis from contaminated culture

Mixed infections
Kuttler, K. L.; and Craig, T. M., 1975, Am. J. Vet. Research, v. 36 (3), 323-325
splenectomized calves inoculated with pooled blood samples from eastern Texas cattle developed dual infections of Anaplasma marginale and a Theileria resembling Theileria mutans, treatment with gloxazone and imidocarb selectively eliminated Anaplasma, pure Theileria infections only mildly pathogenic

Mixed infections
Labay, G. R.; Mori, K.; and Datta, B., 1975, N. York State J. Med., v. 75 (3), 410-413
human schistosomal infections co-existing with ileocecal tuberculosis, 2 case reports, differential diagnosis difficult since dual infection mimicked a variety of ileocecal pathologic conditions: New York City

Mixed infections
Lai, P. F.; Ow-Yang, C. K.; and Lie, K. J., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 277 [Demonstration]
Nosema eurytremae infections in Lymnaea rubiginosa (within tissues), comparison of infection rate in trematode free snails and those infected also with Echinostoma audyi

Mixed infections
Lambert, A.; and Maillard, C., [1976], Ann. Parasitol., v. 50 (6), 1975, 691-699
Diplectanum aequans, D. laubieri, simultaneous parasites on Dicentrarchus labrax (gills), preferential microbiotopes for each species: mer ou dans les etangs cotiers du littoral languedocien

Mixed infections
Langer, A.; and Hung, C. T., 1973, Obst. and Gynec., v. 42 (4), 564-567
human hookworm anemia associated with pregnancy, clinical management with tetrachlorethylene or with tetrachlorethylene and thiabendazole in Trichuris trichiura-associated infections

Mixed infections
Lee, E.-L.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 563-567
evaluation of oxantel pamoate for treatment of severe clinical Trichuris trichiura infection in children, description of clinical trials and correlated treatment of frequently occurring mixed parasitic infections, oxantel suggested as safe and effective anthelmintic: Malaysia

Mixed infections
Lee, Y. C.; and Huang, K. J., 1975, J. Chinese Soc. Vet. Sc., v. 1 (1), 24-30
Ascaris suum, pigs, relationship to prevalence of infectious pneumonia caused by bacteria, more severe lesions with both present

Mixed infections
Lewinsohn, R., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 51-56
Schistosoma mansoni and Plasmodium berghei yoelii in mice (exper.), dynamics of anemia resulting from mixed infections

Mixed infections
Lie, K. J.; et al., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 46-59
Schistosoma spindale, trials of biological control by means of antagonistic mixed Echinostoma malayanum-Schistosoma spindale infections in Indoplanorbis exustus vector snails; control achieved only after excessively prolonged release of Echinostoma malayanum eggs into target ponds: Thailand

Mixed infections
Lie, K. J.; et al., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 60-64
Schistosoma spindale, failure of trials of biological control using antagonistic mixed Echinostoma malayanum-Schistosoma spindale infections in Indoplanorbis exustus vector snails because of low temperatures and high pond water turbidity

Mixed infections
Lie, K.J.; and Heyneman, D., 1977, Exper. Parasitol., v. 42 (2), 343-347
Biomphalaria glabrata snails with acquired resistance to Echinostoma lindoense again become susceptible to this parasite following infection with either Paryphostomum segregatum or Schistosoma mansoni

Mixed infections
Lie, K. J.; Heyneman, D.; and Richards, C. S., 1977, J. Invert. Path., v. 29 (2), 118-125
Biomphalaria glabrata, interference with natural resistance to Schistosoma mansoni by nonirradiated Echinostoma spp. larvae in concurrent infections

Mixed infections
Lie, K. J.; Heyneman, D.; and Richards, C. S., 1977, Exper. Parasitol., v. 43 (1), 54-62
Schistosoma mansoni, temporary reduction of natural resistance in Biomphalaria glabrata induced by irradiated miracidia of Echinostoma paraensei

Mixed infections
Lie, K. J.; Kwo, E. H.; and Ow-Yang, C. K., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (2), 237-243
Schistosoma spindale, studies in biological control by trematode antagonism with Echinostoma malayanum, P[erezia] helminthorum infection of trematode larvae leading to suppression of cercarial production and reduction in vector snail population due to parasitic castration and high mortality of infected snails

Mixed infections
Lie, K. J.; Lim, H. K.; and Ow-Yang, C. K., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 278 [Demonstration]
Trichobilharzia brevis sporocysts in Lymnaea rubiginosa create conditions favorable to the development of Echinostoma hystricosum in the snail; once a snail is occupied by E. hystricosum it cannot be superinfected with T. brevis

Mixed infections
Lie, K. J.; Lim, H. K.; and Ow-Yang, C. K., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (4), 504-508
Echinostoma audyi and E. hystricosum in Lymnaea rubiginosa vector snails, patterns of interaction: E. hystricosum rediae are moderately dominant over sporocysts of E. audyi but subordinate to the rediae

Mixed infections
Lie, K. J.; Lim, H. K.; and Ow-Yang, C. K., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (4), 596-597
patterns of antagonism between Echinostoma hystricosum and Hypoderaeum dingeri in Lymnaea rubiginosa vector snails show E. hystricosum to be moderately dominant over incoming young sporocysts of H. dingeri but subordinate to the rediae

Mixed infections
Lie, K. J.; and Ow-Yang, C. K., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 208-217
experimental field trial to control Trichobilharzia brevis in Lymnaea rubiginosa vector snails by dispersing eggs of Echinostoma audyi into experimental ponds, control successfully achieved mainly by trematode antagonism

Mixed infections
Lim, H. K.; Lie, K. J.; and Ow-Yang, C. K., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 133-134 [Demonstration]
destruction of Trichobilharzia brevis sporocysts by Echinostoma hystricosum rediae within the snail Lymnaea rubiginosa

Mixed infections
LoVerde, P. T.; and Parker, M., 1974, Malacol. Rev., v. 7 (1), 57
larval interaction of Paragonimus ohirai and Schistosoma japonicum in Oncomelania vectors

Mixed infections
Lowe, T. L.; and Kraus, S. J., 1976, J. Infect. Dis., v. 133 (6), 621-626
Trichomonas vaginalis as mixed infection with Neisseria gonorrhoeae in female genital tract has no effect on the number of gonococci present

Mixed infections
Lyons, E. T.; and Drudge, J. H., 1975, J. Parasitol., v. 61 (6), 1119-1122
Thelazia gulosa, T. skrjabini, single and mixed infections, cattle (eyes), measurements: near Georgetown, Kentucky

Mixed infections
McDougall, A. C., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 360-361 [Letter]
onchocerciasis and streptocerciasis in persons with leprosy, possible relationships

Mixed infections
McKay, D. A.; Hiap, C. Y.; and Virik, H. K., 1971, Med. J. Malaya, v. 26 (1), 20-24
treatment trials in children with diarrhea from severe Trichuris trichiura infection or mixed infections with Entamoeba histolytica, comparison of thiabendazole alone or in combination with hexylresorcinol as single retention enema: Kuala Lumpur

Mixed infections
McKenzie, R. A.; and Hall, W. T. K., 1976, Austral. Vet. J., v. 52 (5), 230-231
Strigeidae [sp.], mixed infection with Myxosporidia [sp.] and fungi, skin ulcers in Mugil cephalus, pathological findings: south-east Queensland

Mixed infections
McKinnon, D. A.; and Rodgerson, E. B., 1973, Obst. and Gynec., v. 42 (3), 460-465
treatment of Trichomonas vaginalis vaginitis in the presence of yeast vaginitis

Mixed infections
Macias, E. G.; et al., 1973, N. England J. Med., v. 289 (23), 1239-1241
Cochliomyia hominivorax causing myiasis in children, frequently associated with pediculosis, close proximity to city stockyards and poor environmental and personal hygiene implicated in epidemiology: San Antonio, Texas

Mixed infections
Magnin, P. H.; Casas, J. G.; and Koerte, C. G., 1971, Mykosen, v. 14 (11), 515-523
cerebral Toxoplasma gondii lesions discovered at autopsy of 30-year-old man with Hodgkin's disease and chronic cryptococcosis, case report: Buenos Aires

Mixed infections
Magzoub, M.; and Adam, S. E. I., 1977, Zentralbl. Vet.-Med., Reihe B, v. 24 (1), 53-62
Fasciola gigantica, Schistosoma bovis, zebu cattle (livers, mesenteric vessels), histopathology, mixed infections, metabolic activities, viability of eggs and infectivity to snail intermediate hosts are greater for F. gigantica than for S. bovis: Khartoum abattoir, Sudan

Mixed infections
Mahmoud, A. A. F.; Strickland, G. T.; and Warren, K. S., 1977, J. Infect. Dis., v. 135 (3), 408-413
possible toxoplasmosis induced immunosuppression of cell-mediated immune response in Schistosoma mansoni-infected mice (exper.), mice with combined infections showed smaller hepatic granulomas and lower mean portal pressures than those with only schistosomal infections

Mixed infections
Maldonado-Moll, J. F., 1977, J. Parasitol., v. 63 (5), 946-947
mice infected with Schistosomatium douthitti alone or in concomitance with Fasciola hepatica, oograms done on liver tissue

Mixed infections
Mantovani, A.; et al., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 569-570
role of Strongyloides papillosus larvae in penetration and spread of Sphaerophorus necrophorus in rabbits

Mixed infections
Marchal, M., 1976, Compt. Rend. Soc. Biol., Paris, v. 170 (2), 295-299
Pseudomonocystis sp.-infected Melolontha melolontha, increased susceptibility to exper. infection with low or medium doses of spores of Beauveria brongniartii

Mixed infections
Marczynska-Robowska, M.; et al., 1977, Pediat. Polska, v. 52 (5), 565-568
Pneumocystis carinii pneumonia in infant, complications of congenital heart defect and chickenpox infection, clinical case report: Warsaw, Poland

Mixed infections
Marquardt, W. C., 1976, J. Protozool., v. 23 (2), 287-290
host-parasite interactions in Coccidia, past-president's address with emphasis on: winter coccidiosis caused by Eimeria zuernii; pathogenesis of mixed infections; genetic basis of host specificity of E. separata

Mixed infections
Masur, H.; Hook, E. III; and Armstrong, D., 1976, J. Am. Med. Ass., v. 236 (17), 1978-1979
Trichomonas sp. isolated from cerebrospinal fluid of man with mixed microbial meningitis, case report of possible communication between subarachnoid space and gastrointestinal tract as probable source of contamination: New York

Mixed infections
Matossian, R. M.; Kurban, A. K.; and Malak, J. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 450-452
Leishmania tropica, humans, circulating antibodies, detection by immunofluorescence, cross reactivity with L. donovani and Trypanosoma cruzi antigens, possible cross reactivity in mixed tuberculosis infections

Mixed infections
Meerovitch, E.; and Ackerman, S. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 417 [Letter]
pre-existing Trichinella spiralis infection in rats (exper.) greatly reduced by level of Trypanosoma lewisi parasitemia, possible cell-mediated immune reaction

Mixed infections
Meingassner, J. G.; and Burtscher, H., 1977, Vet. Path., v. 14 (2), 146-153
Frenkelia sp. and Toxoplasma gondii, mixed, fatal infection in caged Chinchilla laniger (brain)

Mixed infections
Meingassner, J. G.; Georgopoulos, A.; and Patoschka, M., 1975, Tropenmed. und Parasitol., v. 26 (4), 395-398
Trichomonas vaginalis, mixed Candida albicans intravaginal infection in rats (exper.) established more reliable infection conditions for testing performance of chemotherapeutic drugs than T. vaginalis in axenic culture, metronidazole, tinidazole, nifuratel tested

Mixed infections
Meyers, W. M.; and Connor, D. H., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 524-525
human Onchocerca volvulus and Dipetalonema streptocerca in persons with leprosy, altered Mazzotti reactions following administration of diethylcarbamazine, possible immunological implications

Mixed infections
Milbrink, G., 1975, Rep. (54) Inst. Freshwater Research Drottningholm, Sweden, 36-51
Caryophyllaeus laticeps, seasonal incidence, ages of parasite and worm burden in bream; estimating host diet of intermediate hosts from parasite incidence; C. laticeps incidence in relation to Ligula intestinalis incidence

Mixed infections
Milner, R. J., 1977, J. Austral. Entom., v. 16 (1), 21-26
Pleistophora oncoperae in Oncopera alboguttata and O. rufobrunnea, incidence, mixed infection with virus in O. alboguttata responsible for dramatic decrease in population density: Ebor Dorrigo region of N.S.W.

Mixed infections
Morley, F. H. W.; et al., Austral. Vet. J., v. 52 (7), 325-329
blowfly strike incidence in breech region of radically mulesed weaner sheep, predisposition to flystrike resulted from helminths causing diarrhoea and soiling of wool

Mixed infections
Negomireanu, T.; Gorgan, V.; and Pirvu, C., 1972, Microbiol., Parazitol., Epidemiol., Bucuresti, v. 17 (5), 443-448
Giardia lamblia in humans, mutual unfavorable influence in mixed viral hepatitis infections

Mixed infections
Nelson, G. S.; and Davies, J. B., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 16-17 [Demonstration]
Mansonella ozzardi, humans, epidemiologic survey, concentration of microfilariae in superficial capillaries, mixed infections with Wuchereria bancrofti differentiated using stained filters: Trinidad

Mixed infections
Nitzulescu, V.; and Cherman, I., 1974, Pediatria, Bucuresti, v. 23 (3), 271-272
mixed human infections of ascariasis and oxyuriasis, combantrin an effective anthelmintic, limited clinical trial

Mixed infections
Ohshima, K.; et al., 1976, J. Fac. Agric., Iwate Univ., v. 13 (2), 161-176
viral disease in cattle previously or concurrently having fascioliasis, dictyocaulosis, and/or piroplasmosis, histopathological study of mucosal lesions, differential diagnosis: Japan

Mixed infections
Osetowska, E.; and Taraszewska, A., 1974, Neuropatol. Polska, v. 12 (3), 476-486
toxoplasmosis in dogs with distemper complex, neuropathological findings

Mixed infections
Ostrzenski, A., 1975, Polski Tygod. Lekar., v. 30 (42), 1747-1749
Trichomonas vaginalis, vaginal infections in woman, therapy with metronidazole increased incidence of infection with candidiasis after treatment and had no beneficial effect on mixed infections existing before therapy

Mixed infections
O'Sullivan, B. M.; Rosenfeld, L. E.; and Green, P. E., 1976, Austral. Vet. J., v. 52 (5), 232-233
Platynosomum fastosum, mixed infection with Yersinia pseudotuberculosis, cat, case history, pathology: Rabaul, Papua New Guinea, imported to Australia

Mixed infections
Ow-Yang, C. K.; Lie, K. J.; and Lim, H. K., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 278-279 [Demonstration]
interference in the dominance of one larval trematode (Echinostoma audyi) over another (Trichobilharzia brevis) by a third species (Hypoderaeum dingeri) in Lymnaea rubiginosa snails

Mixed infections
Page, M. R.; and Huizinga, H. W., 1976, Internat. J. Parasitol., v. 6 (2), 117-120
antagonistic larval trematode interactions between Schistosoma mansoni and Ribeiroia marini in concurrent infections of a genetically susceptible strain of Biomphalaria glabrata, numbers of larval stages in tissues and numbers of cercariae shed

Mixed infections
Palomino, H.; and Barriga, O. O., 1967, Bol. Chileno Parasitol., v. 22 (2), 79
Heterakis spumosa infection in Rattus norvegicus (colon, ciego) also harboring Hymenolepis nana var. fraterna: Chile

Mixed infections
Pasticier, A., 1975, Nouv. Presse. Med., v. 4 (37), 2659-2660
single and mixed parasitic infections in humans, good results with pyrantel pamoate

Mixed infections
Paul, I.; et al., 1975, Lucrar. Stiint. Inst. Agron. I. Ionescu Brad Iasi, II. Zootehn., Med. Vet., 71-72
Protostrongylus, Muellerius, Cystocaulus, bronchopneumonia, adult sheep, morphopathology, result of association of several species

Mixed infections
Pavetto, P. F., 1973, Minerva Ginec., v. 25 (1), 46-54
human Trichomonas vaginalis vaginitis and mixed infections with Monilia, double-blind clinical trials testing metronidazole, nystatin and lysozyme in a combined vaginal suppository

Mixed infections
Pavri, K. M., 1976, Indian J. Med. Research, v. 64 (5), 713-729
discussion of possible role of helminth parasites and viruses in etiology of dengue hemorrhagic fever and shock syndrome

Mixed infections
Pavri, K. M.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hgy., v. 69 (1), 99-110
Toxocara canis in albino mice (exper.), marked synergistic effect in mixed viral infections, possible role of visceral larval migrans in creating "acute encephalopathy syndrome" in presence of simultaneous viral infections

Mixed infections
Perju, A.; Boteanu, S.; and Radulescu, G., 1975, Minerva Ginec., v. 27 (9), 733-738
human Trichomonas vaginalis vaginitis and mixed moniliasis infections, clinical trials with methyl-partricin as vaginal suppositories

Mixed infections
Phillips, R. S.; and Wakelin, D., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 276 [Demonstration]
Trichuris muris-infected mice, suppression of immunity by concurrent infection with Babesia spp., severely depressed agglutinating antibody response to sheep red blood cells

Mixed infections
Phillips, R. S.; and Wakelin, D., 1976, Exper. Parasitol., v. 39 (1), 95-100
mice concurrently infected with Babesia and Trichuris muris, marked immunodepression, normal immune expulsion of nematode delayed; Babesia infections had little effect on expulsion of challenge infections of T. muris from previously immunized mice; Babesia infections exerted profound immunodepressive effect on agglutinating antibody response to sheep red blood cells

Mixed infections
Plasota, K., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 47-60
helminths of frogs, comparison of aquatic and terrestrial hosts, relation of parasite fauna to environment, food supplies and food habits, host life cycle, temperature, rainfall, season, age and sex of host, competition between species of parasite, localization within host: Kampinos National Park, Poland

Mixed infections
Pliszczynska-Brennensthul, M.; et al., 1975, Otolaryngol. Pol., v. 29 (6), 653-655
congenital toxoplasmosis in infants with concurrent septic staphylococcus nasal septum abscess, case reports: Poland

Mixed infections
Politzar, H., 1974, Tropenmed. u. Parasitol., v. 25 (1), 22-27
Trypanosoma vivax alone or with T. brucei and T. congolense, cattle (exper.), homologous and heterologous antibody responses determined by indirect fluorescent antibody test

Mixed infections
Pout, D. D.; Norton, C. C.; and Catchpole, J., 1973, Brit. Vet. J., v. 129 (6), 568-582
Eimeria spp., lambs (exper.), patterns of oocyst production in single and mixed infections, results indicate that continuous oocyst production as observed in the field could be achieved through exponential dosing, limitations of laboratory infections

Mixed infections
Przyjalkowski, Z.; and Wescott, R. B., 1970, Acta Parasitol. Polon., v. 17 (20-38), 265-269
Nippostrongylus brasiliensis, conventional and germfree mice, some with monocultures of three species of bacteria, differential leucocyte counts, packed cell volume; higher worm burdens in male mice and in conventional mice, little differences in blood values

Mixed infections
Purnell, R. E.; et al., 1976, Vet. Rec., v. 99 (21), 415-417
Babesia divergens and Ehrlichia phagocytophila, natural mixed infection, agents isolated, splenectomised calves, reactions after inoculation singly, simultaneously or sequentially, B. divergens infection delayed by E. phagocytophila: Eire

Mixed infections
Purnell, R. E.; et al., 1977, Vet. Rec., v. 100 (1), 4-6
Babesia divergens, splenectomized calves (exper.), mixed infection with Ehrlichia phagocytophila resulted in less marked changes in haematology, apparent suppression of Babesia by Ehrlichia

Mixed infections
Rama, S. P.; Singh, C. D. N.; and Sinha, B. K., 1977, Indian J. Animal Sc., v. 47 (11), 735-738
Eimeria parva, sheep (exper.), mixed infections with Eimeria ninakohlyakimovae, pathology

Mixed infections
Ramalingam, S.; Dissanaike, A. S.; and Fernando, M. A., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 148 [Demonstration]
microsporidian in Culex sitiens interfered with development of attempted experimental Plasmodium gallinaceum infections in the mosquito: Rantau Panjang area, West Malaysia

Mixed infections
Rasin, K., 1973, Vet. Med., Praha, v. 46, v. 18 (10), 593-618
Toxoplasma gondii (14 strains), Isospora felis, cats, natural and exper. infections, chronology of oocyst elimination; mixed infections; no cross immunity

Mixed infections
Rehbinder, C.; Christensson, D.; and Glatthard, V., 1975, Nord. Vet.-Med., v. 27 (10), 499-507
Onchocerca sp. in subperitoneal and subcutaneous granulomas and Setaria tundrae in encapsulations in peritoneum of reindeer, increasing incidence, association with liver lesions caused by Corynebacteria, found in forest herds but not mountain herds

Mixed infections
Reisen, W. K.; Kennedy, M. L.; and Reisen, N. T., 1976, J. Parasitol., v. 62 (4), 628-635
winter ecology of ectoparasites collected from hibernating Myotis velifer (incidence, intensity, monthly changes, parasite and host sex ratio, interspecific associations, parasite age structure, etc.): Harmon County, southwestern Oklahoma

Mixed infections
Rodgerson, E. B., 1972, Obst. and Gynec., v. 40 (3), 327-333
human Trichomonas vaginalis in presence of vulvar and vaginal papillomas, treatment of trichomoniasis with metronidazole alone or in conjunction with diiodohydroxyquin frequently resulted in changes in or disappearance of papillomas, possible role of Trichomonas in action of viruses: California

Mixed infections
Rodhain, F.; and Dodin, A., 1971, Medecine et Malad. Infect., v. 1 (4), 185-188
Wuchereria bancrofti, Loa loa, variations in human antistreptolysin 0 titers before and after treatment for filariasis, possible antigenic immune reaction between filariae and Streptococcus

Mixed infections
Rojo Vazquez, J., 1977, An. Fac. Vet. Leon, Oviedo, v. 21 (21), 1975, 51-101
Protostrongylinae, frequency in ovine lungs, primary nodes are infected by bacteria at a lower rate than non-parasitized lung areas: municipal slaughterhouse, Leon

Mixed infections
Rollier, R.; et al., 1974, Maroc Med. (579), v. 54, 321-322
child, Norwegian type scabies associated with Hymenolepis nana intestinal infection, case report: Casablanca

Mixed infections
Rusch, K., 1966, Bol. Chileno Parasitol., v. 21 (4), 130-132
Sarcoptes scabiei, severe debilitating sarcoptic mange in Lama lama successfully treated with neguvon, associated infections of Fasciola hepatica responded to carbon tetrachloride therapy, clinical case report: experimental breeding farm, Chile

Mixed infections
Rustrian Azamar, A., 1977, Medicina, Mexico, an. 57 (1218), v. 57, 70-72
Trichomonas vaginalis as mixed vaginal infection with Candida albicans, good results in clinical trials using combined tinidazole-nystatin vaginal therapy: Mexico

Mixed infections
Sakurai, N.; Ihara, Y.; and Ogawa, I., 1974, Nishi Nippon Hinyokika (Nishinihon J. Urol.), v. 36 (4), 449-455
kidney cysts in man containing Paragonimus sp. ova, Metagonimus yokogawai ova in feces, clinical case report: Japan

Mixed infections
Salih, S. Y.; et al., 1977, J. Trop. Med. and Hyg., v. 80 (1), 14-18
Schistosoma mansoni hepatosplenic infections in humans complicated by Salmonella typhi infections, treatment of Salmonella led to improvement of schistosomal pathologic changes: Sudan

Mixed infections
Sandars, D. F.; and Bianchi, G. N., 1970, Med. J. Australia, v. 1 (6), 261-266
Entamoeba histolytica epidemic in institutionalized mental defectives, high associated incidence of Trichuris trichiura suggests it as factor contributing to Entamoeba's pathogenicity; comparative study of effectiveness of intestopan and humatin in treatment of amoebiasis: Queensland, Australia

Mixed infections
Saoud, M. F. A.; and Ramadan, M. M., 1976, Ztschr. Parasitenk., v. 51 (1), 37-47
helminth parasites of bats, relationships among and within groups of helminths, effect of host sex and diet: Egypt

Mixed infections
Sapunar, J.; and Bertossi, E., 1966, Bol. Chileno Parasitol., v. 21 (3), 94-95
mixed Trichostrongylus, Trichuris trichiura, and Giardia lamblia infection in young man diagnosed by fecal examination, case report: Chile

Mixed infections
v. d. Schaaf, A., 1972, Brit. Vet. J., v. 128 (3), x [Letter]
presence of fascioliasis in Salmonella dublin-infected calves, thought that bile or bile duct changes from fascioliasis allow S. dublin to multiply and be established

Mixed infections
Schenone, H.; et al., 1967, Bol. Chileno Parasitol., v. 22 (1), 32-37
heavy concurrent fatal infection of Trichinella spiralis and Taenia solium in 17-year-old boy with history of eating raw pork, others in family less heavily infected, clinical case report: Santiago, Chile

Mixed infections
Schenone, H.; et al., 1970, Bol. Chileno Parasitol., v. 25 (3-4), 118-122
single combined dose of pyrvinium and tetramisole effective in treating children with Enterobius vermicularis and mixed infections with Ascaris lumbricoides: Chile

Mixed infections
Seah, S. K. K., 1976, Canad. Med. Ass. J., v. 115 (8), 777-779
mebendazole suggested as drug of choice for Trichuris trichiura and mixed nematode infections after extensive clinical trials: Canada

Mixed infections
Shmuel, Z.; Golenser, J.; and Spira, D. T., 1975, J. Protozool., v. 22 (3), 73A [Abstract]
rats infected with Trypanosoma lewisi at different stages in course of Plasmodium berghei infection, influence on parasitemia of each

Mixed infections
Sibalic, D., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 148-152
humans with high Sabin-Feldman dye test titers thought to have toxoplasmosis found apparently also infected with Sarcocystis spp., specimens of their blood were injected into mice and Citellus citellus and Sarcocystis organisms recovered as cystozoites in peritoneal exudate or cysts in musculature; further verification positive using Sarcocystis fusiformis antigen for indirect immunofluorescence on human blood

Mixed infections
Signorello, G., 1973, Minerva Med., v. 64 (52), 2736-2740
Ascaris lumbricoides in children resulting in cutaneous allergic reactions, skin test diagnosis, frequent mixed infections with Trichuris trichiura also diagnosed

Mixed infections
Sivanandam, S.; and Sandosham, A. A., 1965, Med. J. Malaya, v. 20 (1), 65
multiple filarial infections in domestic cat: East Pahang, Malaya

Mixed infections
Sobieszewski, K., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 91-95
Metastrongylus elongatus, M. pudendotectus, pigs (lungs), incidence, mixed infection, pathological changes: Lublin Palatinate, Poland

Mixed infections
Sohi, B. K., 1975, Pediat. Clin. India, v. 10 (3), 230
mixed strongyloidiasis and ancylostomiasis in young child, presenting symptom of acute abdomen, cure with mintezole: Pathankot, India

Mixed infections
Soussi, M. C.; Alaoui, A.; and Naceur, B., 1970, Maroc Med. (535), v. 50, 318-319
human hepatic hydatid cyst with superinfection of typhoid fever, case report: Maroc

Mixed infections
Stalheim, O. H. V., 1973, Am. J. Vet. Research, v. 34 (10), 1257-1260
failure to reproduce acute porcine leptospirosis by physiologic stress or concurrent infections (including one with Ascaris suum)

Mixed infections
Strauss, J. M.; and Sivanandam, S., 1966, Med. J. Malaya, v. 20 (4), 336
mixed Brugia pahangi and Dirofilaria immitis infections in Panthera pardus: National Zoo, Kuala Lumpur (captured in state of Pahang)

Mixed infections
Stringfellow, F., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 76-81
monospecific and dual species infections of Ostertagia ostertagi and Trichostrongylus axei, calves, histochemical studies of abomasal tissue

Mixed infections
Svartman, M.; et al., 1972, Lancet, London (7744), v. 1, 249-251
Sarcoptes scabiei in man and possibly also dogs implicated in large epidemic of acute glomerulonephritis, scabetic lesions containing beta-hemolytic streptococci were found in large numbers of both the sick and well population of a small village in Trinidad

Mixed infections
Szarmach, H.; et al., 1977, Przegl. Dermat., v. 64 (5), 591-595
human vaginal Trichomonas vaginalis, analysis of incidence of asymptomatic infections and mixed infections with candidiasis

Mixed infections
Taylor, S. M.; et al., 1973, Vet. Rec., v. 93 (17), 461-464
Eimeria spp., lambs kept on straw bedding vs. expanded metal flooring showed higher fecal oocyst counts, diarrhea, greater weight loss, and some fatalities; causal agents of disease appear to be E. ninaekohlyakimovae and/or E. arloingi with concurrent increase of intestinal Cl[ostridium] welchii type A

Mixed infections
Telford, S. R., jr., 1977, Internat. J. Parasitol., v. 7 (4), 299-314
saurian malaria and other haematozoa, distribution and zoogeography, taxonomic problems, incidence by locality and season, implications for vector searches, mixed infections, comparative effectiveness of initial vs. repeated examinations of blood smears for detection: Middle America

Mixed infections
Theologides, A.; and Lee, J. C., 1970, Minnesota Med., v. 53 (6), 615-619
concomitant systemic Toxoplasma gondii, Pneumocystis carinii pneumonitis and cytomegalic inclusion disease in woman undergoing steroid therapy for chronic leukemia, case report: Minnesota

Mixed infections
Theologides, A.; Pflueger, O. H., jr.; and Kennedy, B. J., 1969, Minnesota Med., v. 52 (5), 737-741
Pneumocystis carinii pneumonitis and Toxoplasma gondii of brain and myocardium in man being treated with steroids for chronic leukemia, case report: Minnesota

Mixed infections
Troussaint, D.; and Vanderhaeghen, J. J., 1975, Ophthalmologica, Basel, v. 171 (3), 237-243
ocular toxoplasmosis in man with concurrent trigeminal herpes zoster, pulmonary tuberculosis and Hodgkin's disease, death resulted from toxoplasmic encephalitis, clinical case report: Brussels, Belgium

Mixed infections
Uhlikova, M.; and Huebner, J., 1974, J. Protozool., v. 21 (3), 458-459 [Abstract]
Toxoplasma gondii, Toxocara cati, concomitant incidence of infection in 8 children

Mixed infections
Uilenberg, G.; and Schreuder, B. E. C., 1976, Tropenmed. u. Parasitol., v. 27 (1), 106-111
successful transstadial transmission of Haematoxenus veliferus by Amblyomma variegatum in exper. cattle; Theileria mutans and rickettsial organism transmitted at the same time

Mixed infections
Van Pelt, R. W.; and Dieterich, R. A., 1973, J. Wildlife Dis., v. 9 (3), 258-261
Toxoplasma gondii in Phoca vitulina richardii (liver), complicating generalized staphyloccal infection, clinical course with fatal outcome, pathologic findings: captured at Cold Bay, Alaska, held in captivity until death 21 days later

Mixed infections
Vethanyagam, A.; and Bryceson, A. D. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 524-525
Toxoplasma gondii in man presenting and treated as hepatitis with mixed Giardia lamblia infection, later diagnosis of active acquired toxoplasmosis and treatment with pyrimethamine and sulfadimidine resolved condition: Great Britain

Mixed infections
Vijil, C., 1972, N. England J. Med., v. 286 (2), 106-107 [Letter]
Entamoeba histolytica in humans, frequent association with Shigella dysenteriae, need for improved research on pathogenic interaction, dysentery often not relieved without additional amoebicidal therapy with metronidazole: Nicaragua

Mixed infections
Villani, L.; and Moneta, E., 1970, Minerva Ginec., v. 22 (18), 880-886
Trichomonas vaginalis, human vaginitis associated with fungal and bacterial infections, good results with mysteclin-V, case statistics: Roma

Mixed infections
Whitlock, J. H.; and Georgi, J. R., 1976, Parasitology, v. 72 (3), 207-224
biological controls in mixed trichostrongylid infections (predominantly Haemonchus contortus cayugensis) in sheep, different ecosystems (barn vs. pasture) and different treatment groups, course of infections (erythrocyte loss, fecal egg counts, hematocrit values), "Anaphylactoid 'self-cure' did not occur in this experiment but something like premunition certainly did."

Mixed infections
Wilkins, H. A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 179-186
Schistosoma haematobium endemic area survey findings suggest that simultaneous occurrence of bacteriuria but not hypertension may sometimes determine outcome of S. haematobium infections in humans: Gambia

Mixed infections
Wilkinson, P. R.; and Garvie, M. B., 1975, J. Med. Entom., v. 12 (4), 480
Dermacentor variabilis and Haemaphysalis leporispalustris feeding concurrently on Lepus americanus struthopus, possibility of birds or rodents ingesting infected ticks, implications for circulation of Rocky Mountain spotted fever rickettsiae between bird-Haemaphysalis-lagomorph cycle and rodent-Dermacentor-larger mammal cycle: near Caledonia, Nova Scotia

Mixed infections
Witchitz, J.; et al., 1975, Medecine et Malad. Infect., v. 5 (5), 260-262
human, mixed urinary tract infection of Schistosoma haematobium and Edwardsiella tarda: native of Mauritania residing in France

Mixed infections
Wood, M. G.; Srolovitz, H.; and Schetman, D., 1976, Arch. Dermat., Chicago, v. 112 (5), 690-695
mixed Schistosoma haematobium-S. mansoni infection in man resulting in dermatologic reaction and probable spinal cord involvement with paraplegia, poor response to antimony potassium tartrate therapy, case report of teacher in Africa now residing in Delaware

Mixed infections
Wosu, L. O., 1977, Austral. Vet. J., v. 53 (7), 340-341
Tritrichomonas foetus, serotyping of isolates from a bull and infected cows showed that strain in bull had apparently changed from var. brisbane to var. belfast over a four-month period, techniques in serotyping of strains, possible cause of change in serotype, possible mixed infection initially, with predominant strain later eliminated

Mixed infections
Wyatt, R. D.; Ruff, M. D.; and Page, R. K., 1975, Avian Dis., v. 19 (4), 730-740
chicks, interaction of aflatoxin with Eimeria tenella infection and monensin: E. tenella and aflatoxin in combination significantly increased mortality and weight depression, and caused more severely reduced hemoglobin, packed cell volume, and plasma pigmentation; monensin sodium did not completely prevent mortality and weight depression in a mixed infection; coccidial lesion scores were less for combination of E. tenella and aflatoxicosis than for coccidiosis alone

Mixed infections
Yang, J.; and Scholten, T., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 16-22
Dientamoeba fragilis in humans, extensive epidemiologic survey, pathology, fecal examination diagnostic methods, periodicity, frequent occurrence in presence of Enterobius vermicularis suggests possibility of helminths as vectors: Toronto, Canada

Mixed infections
Young, S. W.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 797-802
Schistosoma mansoni, Salmonella paratyphi A cultured from tegument of worms removed from patients with chronic salmonellosis, worms incubated with salmonella in vitro, and worms from mice previously inoculated with salmonella

Mixed infections
Young, S. W.; Hagashi, G.; and Kamel, R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 437 [Demonstration]
Schistosoma mansoni from 2 patients with chronic salmonellosis, tegumental colonization of schistosomes by Salmonella paratyphi A

Mixed infections
Zerolo, J.; et al., 1974, Marseille Med., v. 111 (3), 153-156
man, hepatic hydatid cyst in association with hepatic amoebiasis, case report, clinical aspects: France

Mixed infections
Zuidema, P. J., 1971, Nederl. Tijdschr. Geneesk., v. 115 (29), 1209-1212
man, case history of mixed infections of Entamoeba histolytica, Necator americanus, Plasmodium falciparum and Schistosoma mansoni, medical management: Netherlands (native of Surinam)

Mode of drug action. See Drugs, Mode of action.

Models, Laboratory hosts. See Technique, Experimental hosts.

Models, Mathematical. See Mathematical models and theory.

Models, Theoretical. *See* Mathematical models and theory.

Moisture. *See* Humidity.

Moldavia. *See* Russia, Moldavian SSR.

Molting. *See* Ecdysis.

Mongolia
Scharhu, G., 1970, Acta Parasitol. Polon., v. 17 (20-38), 261-264
helminth parasites, Bos taurus: eastern provinces of Mongolia (Taenia hydatigena; T. saginata; Echinococcus granulosus; Multiceps multiceps; Moniezia benedeni; Chabertia ovina; Bunostomum trigonocephalum; B. phlebotomum; Oesophagostomum radiatum; Trichostrongylus axei; T. colubriformis; T. probolurus; Ostertagia buriatica; O. orloffi; O. dahurica; Teladorsagia kasachstanica; Marshallagia mongolica; M. dentispicularis; Haemonchus contortus; H. longistipes; Cooperia oncophora; C. bisonis; C. mcmasteri; Nematodirus helvetianus; N. oiratianus; N. davtiani; Nematodirella longissimespiculata; Dictyocaulus viviparus; Parabronema skrjabini; Thelazia gulosa; T. skrjabini; Setaria digitata; Trichocephalus skrjabini)

Morphogenesis. *See* Development; Morphology.

Morphology. [*See also* Cytology; Dimorphism, Histology; Measurements; Polymorphism; Variation]

Morphology
Andersen, K., 1976, Fauna, Oslo, v. 29 (1), 1-20
helminth adaptation to life in vertebrate intestine, cysts, attachment organs, structure of tegument, immune response, site selection, evolution, extensive review

Morphology
Nemeseri, L., 1971, Parasitol. Hungar., v. 4, 87-95
advances in parasitological investigations using electron microscope, radioisotopes and new culture methods, review

Morphology, Acanthocephala
Anantaraman, S.; and Ravindranath, M. H., 1976, Ztschr. Parasitenk., v. 48 (3-4), 227-238
Acanthosentis sp. (identified in footnote as A. oligospinus), egg envelopes of acanthor, layers, histochemistry, permeability, phase-contrast microscopy

Morphology, Acanthocephala
Atkinson, K. H.; and Byram, J. E., 1976, J. Morphol., v. 148 (4), 391-426
Moniliformis dubius, morphology and development of ovarian balls, oogenesis, rat (exper.)

Morphology, Acanthocephala
Buckner, S. C.; and Nickol, B. B., 1975, J. Parasitol., v. 61 (6), 996-998
comparison of Moniliformis moniliformis and M. clarki, inter- and intraspecific morphological variation in usual definitive hosts and laboratory hosts

Morphology, Acanthocephala
Dunagan, T. T.; and Miller, D. M., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 199-208
Macracanthorhynchus hirudinaceus, muscular anatomy of the praesoma, light and scanning electron microscopy

Morphology, Acanthocephala
Dunagan, T. T.; and Miller, D. M., 1976, J. Parasitol., v. 62 (3), 442-450
Moniliformis moniliformis, nerves originating from cerebral ganglion

Morphology, Acanthocephala
Dunagan, T. T.; and Miller, D. M., 1977, J. Morphol., v. 52 (2), 171-175
Moniliformis moniliformis, description of new ganglion identified as bursal ganglion

Morphology, Acanthocephala
Grabda-Kazubska, B.; and Ejsymont, L., 1969, Acta Parasitol. Polon., v. 17 (1-19), 65-87
Echinorhynchus borealis, morphology, morphological variation

Morphology, Acanthocephala
Ivanova, G. V.; and Makhanbetov, Sh., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 33-37
Polymorphus phippsi males, innervation of genital system

Morphology, Acanthocephala
Khatkevich, L. M., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 181-185
Neoechinorhynchus rutili, histology of excretory ducts of female reproductive system

Morphology, Acanthocephala
Marchand, B.; and Mattei, X., 1976, Compt. Rend. Soc. Biol., Paris, v. 170 (1), 237-240
Centrorhynchus milvus, spermatozoon, ultrastructure

Morphology, Acanthocephala
Marchand, B.; and Mattei, X., 1976, J. Ultrastructure Research, v. 54 (3), 347-358
Illiosentis furcatus var. africana, spermatogenesis, ultrastructure

Morphology, Acanthocephala
Marchand, B.; and Mattei, X., 1976, J. Ultrastructure Research, v. 55 (3), 391-399
Acanthosentis tilapiae, spermatozoon, variation in number of central fibers in flagellum

Morphology, Acanthocephala
Miller, D. M.; and Dunagan, T. T., 1976, Proc. Helminth. Soc. Washington, v. 43 (2), 99-106
Macracanthorhynchus hirudinaceus, morphology of lacunar system of body wall

Morphology, Acanthocephala
Parshad, V. R.; and Guraya, S. S., 1977, Parasitology, v. 74 (3), 243-253
Centrorhynchus corvi, ovarian balls, morphology and histochemistry

Morphology, Acanthocephala
Schmidt, G. D., 1975, J. Parasitol., v. 61 (5), 865-867
Acanthosentis acanthuri

Morphology, Acanthocephala
Schmidt, G. D., 1977, J. Parasitol., v. 63 (1), 112-116
Mediorhynchus, particularly M. robustus, description of praesomal musculature, implications for taxonomy

Morphology, Acanthocephala
Uznanski, R. L.; and Nickol, B. B., 1976, J. Parasitol., v. 62 (4), 569-573
Leptorhynchoides thecatus eggs, external fibrillar band, structure, function (to increase intimacy of association between eggs and filamentous algae, eggs associated with algae are more likely to produce infections in intermediate host (Hyalella azteca) than eggs not so associated)

Morphology, Arthropoda
Amin, O. M.; and Sewell, R. G., 1977, Am. Midland Nat., v. 98 (1), 207-212
Orchopeas h. howardii, Megabothris acerbus, numerical and structural variations of pronotal spines; field sex ratios of both flea species were closely related to the ratio of mean number of pronotal spines in females/males which supports proposed function of pronotal combs in locking onto host hairs and their suggested contribution in affecting sex ratio

Morphology, Arthropoda
Athias-Henriot, C., 1971, Bull. Soc. Zool. France, v. 96 (2), 73-85
gamasids, idiosomatic sigillotaxy

Morphology, Arthropoda
Audy, J. R.; Radovsky, F. J.; and Vercammen-Grandjean, P. H., 1972, J. Med. Entom., v. 9 (6), 487-494
neosomy: radical intrastadial metamorphosis in arthropods, definitions, examples, association with parasitic existence, evolutionary significance, review

Morphology, Arthropoda
Baird, C. R.; and Akre, R. D., 1977, J. Entom. Soc. Brit. Columbia, v. 74, 27-31
Cuterebra tenebrosa, morphology of alimentary and reproductive tracts

Morphology, Arthropoda
Baker, R. A., 1977, Parasitology, v. 75 (3), 301-308
Unionicola intermedia, midgut caeca, contents, structure, function, relation to feeding activities of mite and tissue responses of its host (Anodonta anatina), parasite feeds on mucus and blood cells which are products of inflammatory response, parasite digestive enzymes are confined to intracellular vacuoles

Morphology, Arthropoda
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, Zool. Zhurnal, v. 55 (9), 1308-1317
ixodid and argasid ticks, fine structure and function of palpal receptor organ

Morphology, Arthropoda
Balashov, Iu. S.; and Leonovich, S. A., 1976, Entom. Obozr., v. 55 (4), 946-952
ixodid ticks of the tribe Amblyommatini, morphology of Haller's organ, scanning electron microscopy

Morphology, Arthropoda
Banaja, A. A.; James, J. L.; and Riley, J., 1977, Internat. J. Parasitol., v. 7 (1), 27-40
Reighardia sternai, Porocephalus crotali, Armillifer moniliformis, tegumental chloride cells (previously termed cuticular cells), ultrastructure, osmoregulatory function

Morphology, Arthropoda
Bocquet-Vedrine, J.; Chassard-Bouchaud, C.; and Hubert, M., 1977, Biol. Cell., v. 30 (2), 165-170
Sacculina carcini, fine structure of integument of roots, light and electron microscopy

Morphology, Arthropoda
Davis, J. C.; and Camin, J. H., 1976, J. Kansas Entom. Soc., v. 49 (3), 441-449
Dermanyssus prognephilus, setal morphology of palpal and foreleg tarsi, comparable to palpal organ and Haller's organ respectively of ticks, scanning electron microscopy

Morphology, Arthropoda
Desch, C. E.; O'Dea, J.; and Nutting, W. B., 1971, Acarologia, v. 12 (3), 522-526
Demodex, description of proctodeum, valid structure for species discrimination, possibly a hydrostatic organ

Morphology, Arthropoda
Dohany, A. L.; and Cromroy, H. L., 1976, Florida Entom., v. 59 (2), 183-190
chiggers, scutal measurements: Gainesville, Tallahassee, and Lakeland, Florida

Morphology, Arthropoda
Edwards, M. A., 1975, Tr. Zool. Soc. London, v. 33 (1), 1-75
chaetotaxy of the pedipalps and legs of larval Argasidae

Morphology, Arthropoda
Elizarov, Iu. A.; and Sinitsina, E. E., 1976, Vestnik Moskov. Univ., s. 6, Biol., Pochvoved. (1), 63-67
Hyalomma asiaticum, morphology of palpal and Haller's organs, chemoreceptors and mechanoreceptors, changes during development from larva to imago

Morphology, Arthropoda
Fain, A., 1970, Acarologia, v. 12 (2), 313-325
Ereynetidae, idiosomal chaetotaxy, new nomenclature proposed

Morphology, Arthropoda
Faucheux, M.-J., 1975, Bull. Soc. Sc. Nat. Ouest France, v. 73 (2-3), 69-76
Pediculus humanus capitis, Pthirus pubis, feet, respiratory system, functional morphology, scanning electron microscopy

Morphology, Arthropoda
Feldman-Muhsam, B.; and Filshie, B. K., 1976, Tissue and Cell, v. 8 (3), 411-419
Ornithodoros gurneyi, O. tholozani, spermiophores, scanning and transmission electron microscopy, possible explanation of motility

Morphology, Arthropoda
Furman, D. P., 1977, J. Parasitol., v. 63 (4), 748-755
halarachnid mites, phylogenetic implications of comparative ontogeny of leg and palpal chaetotaxy

Morphology, Arthropoda
Gil Collado, J.; Zapatero, L. M.; and Guillen, J. L., 1974, Rev. Iber. Parasitol., v. 34 (1-2), 9-27
Wohlfahrtia bella, description of larval stages and adults

Morphology, Arthropoda
Guevara-Benitez, D.; and Ubeda-Ontiveros, J. M., 1974, Rev. Iber. Parasitol., v. 34 (1-2), 83-102
Sternostoma tracheacolum, morphology, variability, life cycle, treatment with methyl salicylate + nitrobenzol unsuccessful: Granada

Morphology, Arthropoda
Haas, G. E., 1973, Am. Midland Naturalist, v. 90 (1), 246-252
morphological variations, Siphonaptera of rodents: New Mexico

Morphology, Arthropoda
Haase, W., 1975, Ztschr. Morphol. Tiere, v. 81 (4), 343-353
Argulus foliaceus, ultrastructural changes in fields of carapace with changes of ion concentration in habitat, acute changes when put into distilled water or 1% sodium chloride solution, small changes with gradual adaptation to lower concentrations

Morphology, Arthropoda
Homsher, P. J.; and Sonenshine, D. J., 1975, Tr. Am. Micr. Soc., v. 94 (3), 368-374
fine structure of Haller's organ in 10 species of Ixodes, light and scanning electron microscopy, significance to systematic analysis

Morphology, Arthropoda
John, S. E.; and Nair, N. B., 1974, Monitore Zool. Ital., n.s., v. 8 (3), 133-140
Hermilius longicornis, function and morphology of mouth parts

Morphology, Arthropoda
Kabata, Z., 1977, Proc. Biol. Soc. Wash., v. 90 (2), 189-193
Salmincola longimanus, redescription, morphological variability, key

Morphology, Arthropoda
Kim, J. C. S., 1976, J. Med. Primatol., v. 5 (1), 3-12
Pneumonyssus santos-diasi, morphology, pulmonary pathology, scanning electron microscope
Papio cynocephalus (lungs)

Morphology, Arthropoda
Layton, E. C.; and Sonenshine, D. E., 1975, J. Med. Entom., v. 12 (3), 287-295
Dermacentor variabilis, D. andersoni, females, structure of glands associated with foveae dorsales, histology and scanning electron microscopy, changes during feeding, possible role in sex pheromone activity

Morphology, Arthropoda
Macchioni, G.; and Marconcini, A., 1976, Ann. Fac. Med. Vet., Pisa, v. 28, 1975, 65-70
Dermoglyphus columbae, previously identified as D. elongatus, description of larvae, nymphs and adults, Columba livia domestica: Italy

Morphology, Arthropoda
Nowosad, A., 1975, Polskie Pismo Entom., v. 45 (2), 239-249
Nycteribia kolenatii, morphological variation

Morphology, Arthropoda
Obenchain, F. D.; and Oliver, J. H., jr., 1976, J. Parasitol., v. 62 (5), 811-817
Amblyomma tuberculatum, Argas radiatus, peripheral nervous system

Morphology, Arthropoda
O'Hagan, J. E., 1977, Proc. 15. Internat. Cong. Entom. (Washington, D.C., Aug. 19-27, 1976), 266-276
Boophilus microplus, feeding process, chemical exchanges between mouth parts of ticks and their hosts, oral secretion and morphology of tick salivary gland, review

Morphology, Arthropoda
Oliver, J. H., jr.; and Herrin, C. S., 1976, J. Parasitol., v. 62 (3), 475-484
Haemaphysalis longicornis, differential morphological variation in relation to reproduction method (bisexual vs. parthenogenetic), sex, and chromosomal ploidy level

Morphology, Arthropoda
Panfilova, I. M., 1976, Zool. Zhurnal, v. 55 (3), 371-377
Ixodes persulcatus, Dermacentor silvarum, Haemaphysalis concinna, react positively to weak light and negatively to strong light; position of photo-receptors

Morphology, Arthropoda
  Pence, D. B.; and Casto, S. D., 1976, J. Med. Entom., v. 13 (1), 71-95
    Ptilonyssus sairae, taxonomic status, comparative morphology, variation

Morphology, Arthropoda
  Pound, J. M.; and Oliver, J. H., jr., 1976, J. Parasitol., v. 62 (3), 470-474
    Ornithonyssus sylviarum, description of male and female reproductive systems

Morphology, Arthropoda
  Radhakrishnan, S., 1977, Hydrobiologia, v. 52 (2-3), 251-255
    Peniculisa wilsoni sp. nov., length of caudal processes in relation to total length of the prolongation of the abdomen of little taxonomic value

Morphology, Arthropoda
  Rajcani, J.; et al., 1976, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 236 (1), 1-9
    Dermacentor reticulatus, D. marginatus, Haemaphysalis inermis, morphology of mouth parts, host reactions to feeding and attachment, encephalitis virus transmission

Morphology, Arthropoda
  Rao, N. S. K.; Khuddus, C. A.; and Channa-Basavanna, G. P., 1975, Mysore J. Agric. Sc., v. 9 (4), 670-688
    Lipeurus tropicalis, detailed morphology of mouth parts, compared with other Mallophaga, evolutionary trend of anterior plate of hypopharynx

Morphology, Arthropoda
  Reinhardt, C. A., 1976, Acta Trop., v. 33 (2), 105-132
    Xenopsylla cheopis, Echidnophaga gallinacea, Tunga penetrans, ultrastructure of midgut epithelium in relation to feeding behavior patterns (temporary vs. stationary parasites)

Morphology, Arthropoda
  Roshdy, M. A.; and Coons, L. B., 1975, J. Parasitol., v. 61 (4), 743-752
    Argas arboreus, salivary glands of unfed adults, fine structure

Morphology, Arthropoda
  Saratsiotis, A., 1977, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 30 (1), 51-59
    Rhipicephalus muhsamae, R. lunulatus, life cycle study, description of intermediate stages, comparison with other species of R. simus-R. senegalensis complex

Morphology, Arthropoda
  Saratsiotis, A.; and Battelli, C., 1975, Riv. Parassitol., Roma, v. 36 (2-3), 207-214
    Rhipicephalus turanicus, R. sanguineus, morphologic comparisons of larval, nymphal and adult stages

Morphology, Arthropoda
  Sixl, W.; Dengg, E.; and Waltinger, H., 1971, Munchen. Med. Wchnschr., v. 113 (49), 1645-1646
    Haemaphysalis concinna, scanning electron microscopy of mouth parts (hypostoma and chelicera); ticks as mechanical vectors of human pathogens

Morphology, Arthropoda
  Sixl, W.; Dengg, E.; and Waltinger, H., 1972, Mikroskopie, v. 28 (3-4), 88-91
    Haemaphysalis concinna, mouth parts, scanning electron morphology

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    Craspedorrhynchus americanus, morphology, sense organs on antennal flagellum

Morphology, Arthropoda
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    Echidnophaga gallinacea, abnormal chaetotaxy of distitarsomeres

Morphology, Arthropoda
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Morphology, Arthropoda
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    Cimex lectularius, antennal sensilla, scanning and transmission electron microscopy

Morphology, Arthropoda
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Morphology, Arthropoda
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    Porocephalus crotali, cuticle, ultrastructure, function, phylogenetic implications (clearly pro-arthropodan, uniqueness supports status of independent phylum)

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Subtriquetra subtriquetra, "Description and measurements of the egg, larva and nymph... place this pentastomid in the Porocephalida"

Morphology, Arthropoda
Vashchenok, V. S., 1975, Entom. Obozr., v. 54 (2), 352-354
Xenopsylla cheopis, formation, structure, and pigmentation of corpora lutea, suggested that these cells fulfill a secretory function

Morphology, Arthropoda
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Morphology, Arthropoda
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Morphology, Cestoda
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Diphyllobothrium dendriticum, D. norvegicum, and D. latum from fish, morphological comparison after development through Mesocricetus auratus (exper.), concluded that D. norvegicum is identical with D. dendriticum

Morphology, Cestoda
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Diphyllobothrium ditremum, description, morphological comparison with D. dendriticum and D. latum all with Mesocricetus auratus (exper.) as final host, list of defining characteristics

Morphology, Cestoda
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Choanotaenia passerina, description, egg shell morphology, collared embryonic hooks

Morphology, Cestoda
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Wardium amphitricha, formation of strobila, degree of development of female and male gonads, possible transition to dioecism

Morphology, Cestoda
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Taenia crassiceps, tegument, freeze-fracture study of morphology

Morphology, Cestoda
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Morphology, Cestoda
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Taenia pisiformis in rabbits (exper.), growth and development of rostellar hooks, hook differentiation and size related to age of cysticerci, ability to resist effects of digestive enzymes in vitro, and ability to infect dogs, variability in hook sizes attributable to external influences suggests caution in use of hook lengths as taxonomic characters

Morphology, Cestoda
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Morphology, Cestoda
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Wardium, polymorphism among species of cysticercoids, variety of systematic position of intermediate hosts (oligochaetes, crustaceans), possible phylogenetic significance

Morphology, Cestoda
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Taenia taeniaeformis, mice, parenteral treatment with mebendazole, progressive micromorphological changes in cysticerci confined to absorptive compartment of larvae (tegument and tegumental cells), primary interference with microtubular system

Morphology, Cestoda
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Echinococcus granulosus, electron microscopy: cyst wall; brood capsules; protoscolex tegument; brood capsule formation; protoscolex formation; comparison with Hydatigera taeniaeformis larval forms

Morphology, Cestoda
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Morphology, Cestoda
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Oochoristica bivitellobata in Cnemidophorus sexlineatus, description, morphological variations: vicinity of Guide Rock and Arapahoe, Nebraska

Morphology, Cestoda
Caley, J., 1975, Ztschr. Parasitenk., v. 47 (3), 217-235
Hymenolepis nana, comparison of cysticercoids from Tribolium confusum and mouse villi, electron microscopy; activation and excystation effects of bile salts, other surfactants, pH, succinic and lactic acid

Morphology, Cestoda
Caley, J., 1976, Ztschr. Parasitenk., v. 48 (3-4), 251-262
Moniezia expansa, cysticercoids in oribatid mites, 15 and 28 weeks of development, transformation from cellular to mainly fibrous structure, scolex development, electron microscopy

Morphology, Cestoda
Coil, W. H., 1975, Ztschr. Parasitenk., v. 48 (1), 9-14
Shipleya inermis, embryophore (inner capsule) of oncosphere, histochemistry and electron microscopy, lamina in zig-zag pattern, permeability to various substances, development

Morphology, Cestoda
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Anomotaenia constricta, Hymenolepis stylosa, larvae, presence of morphogenetic field in scolex which stimulates graduated differentiation of tegument and associated structures from scolex to cercomer

Morphology, Cestoda
Gabrion, C., 1975, Ztschr. Parasitenk., v. 47 (4), 249-262
Anomotaenia constricta, morphology of adult and egg, morphology, migration and development of cysticercus in intermediate host

Morphology, Cestoda
Gabrion, C., 1977, Ann. Parasitol., v. 52 (2), 117-130
Hymenolepis stylosa, comparative larval development in 3 insects, brief description of adult and eggs

Morphology, Cestoda
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Anomotaenia constricta, cysticercoid, ultrastructure, histochemistry, comparison with Tatria octacantha

Morphology, Cestoda
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Anomotaenia brevis cysticercoids in Leptothorax nylanderi, mechanism of infection, localization, structure by light and electron microscopy, modifications in parasitized hosts (morphology and pigmentation; behavior and physiology; partial parasitic castration), changes may render more susceptible to ingestion by final hosts (birds)

Morphology, Cestoda
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Taenia taeniaeformis, life cycle and developmental morphology in cats (intestin grele) experimentally infected with Cysticercus fasciolaris, cysts recovered from naturally infected Rattus norvegicus (liver), pathology in cats

Morphology, Cestoda
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Morphology, Cestoda
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Echinococcus granulosus, basic cell types in neck region of nearly adult cestodes

Morphology, Cestoda
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Hymenolepis nana, bunamidine causes decrease in glucose uptake and increase in glucose efflux and stimulation of surface phosphatase activity, suggests that disruption of integument is mode of action by which worm death is caused, ultrastructural studies confirm these biochemical indications of integumental damage

Morphology, Cestoda
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Echinococcus granulosus, culture in vitro from oncosphere to immature hydatid cyst, cyst morphogenesis; safety techniques to avoid accidental infection of laboratory workers

Morphology, Cestoda
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Mesocestoides corti tetrathyridium, surface structure

Morphology, Cestoda
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Hymenolepis diminuta occasional parasite of man in Zambia, morphological differentiation from H. nana

Morphology, Cestoda
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Morphology, Cestoda
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morphological and histological development of larval Multiceps endothoracicus

Morphology, Cestoda
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Moniezia benedeni, M. expansa, presence of double rows of interproglottidal glands: India

Morphology, Cestoda
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Bothriocephalus scorpii, external feature of scolex and strobila, attachment and pathology, segmentation, morphology and sequence of development of reproductive organs, pseudoapolysis, ultrastructure of tegument, ultrastructure and histology of scolex, sense organs, littoral fishes: Wales

Morphology, Cestoda
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Echinococcus granulosus equinus, horses, hepatic unilocular hydatid cysts, morphology: born in Ireland and England, imported to Japan

Morphology, Cestoda
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Echinococcus multilocularis, protoscoleces, changes in tegument ultrasturucture during complement-mediated lysis in vitro, transmission and scanning electron microscopy

Morphology, Cestoda
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Morphology, Cestoda
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Echinococcus granulosus, hydatid cysts, germinal membrane, fine structure

Morphology, Cestoda
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Hymenolepis diminuta, eggshell, architecture as revealed by scanning and transmission electron microscopy

Morphology, Cestoda
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Lacistorhynchus tenuis and Hymenolepis diminuta, tegument, model system for studies on membrane structure and function in host-parasite relationships

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Acanthobothrium quadripartitum, bothridial hooks, growth characteristics throughout development, significance of measurements of different hook components in diagnosis of Acanthobothrium species

Morphology, Cestoda
Mokhtar Maamouri, F.; and Swiderski, Z., 1975, Ztschr. Parasitenk., v. 47 (4), 269-281
Acanthobothrium, Onchobothrium, spermatogenesis, spermatozoon differentiation and fine structure, electron microscopy

Morphology, Cestoda
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Echeneibothrium beauchampi, vitellogenesis, electron microscopy

Morphology, Cestoda
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Echeneibothrium beauchampi, spermatozoid, ultrastructure, presence of only one axoneme

Morphology, Cestoda
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Anophryocephalus skrjabini, measurements, taxonomic status; generic diagnosis clarified

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Taenia hydatigena, larval tegument, histochemistry

Morphology, Cestoda
Narsapur, V. S., 1977, Indian J. Animal Sc., v. 46 (11), 1976, 603-609
Moniezia expansa, life-cycle study, larval development in mites, length of development to cysticercoid stage, prepatent period in lambs

Morphology, Cestoda
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Mesocestoides corti in gonadectomized mice, markedly increased number of polycephalic tetrathyridia present in 150-day-old intraperitoneal larval populations, effect most pronounced in male hosts and in both sexes inversely correlated with size of populations

Morphology, Cestoda
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Raillietina carneostrobilata, spermatozoa, ultrastructure of tail

Morphology, Cestoda
Reissenweber, N. J.; et al., 1975, Ztschr. Parasitenk., v. 48 (1), 25-33
Echinococcus granulosus, hydatid cysts from human lungs, scolices and brood capsules, histochemistry and histoenzymology, enzymes, lipids, glycogen, RNA, metabolic pathways, various types of cells in brood capsules

Morphology, Cestoda
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Hymenolepis diminuta, ultrastructure of macromeres in cleavage

Morphology, Cestoda
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Diplogonoporus grandis, 3 human case reports, morphological descriptions of recovered worms, kamala treatment: Japan

Morphology, Cestoda
Schantz, P. M.; et al., 1975, Tropenmed. u. Parasitol., v. 26 (3), 334-344
Echinococcus granulosus, morphology of strobilae from domestic animals compared with those of Echinococcus spp. collected from sylvatic animals, because of few variations in taxonomy concluded that all represent the single species of E. granulosus; foxes apparently become infected after scavenging dead sheep

Morphology, Cestoda
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significance of infectivity survey of domestic animals and wild carnivores as potential reservoir hosts of Echinococcus granulosus in Argentina, host-induced morphologic variations

Morphology, Cestoda
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Morphology, Cestoda
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Hymenolepis diminuta, fine structure of scolex

Morphology, Cestoda
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Inermicapsifer madagascariensis, oncospheral hook morphogenesis, fine structural characteristics

Morphology, Cestoda
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Echinococcus granulosus, oncospheres, ultrastructure

Morphology, Cestoda
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Catenotaenia pusilla, Hymenolepis diminuta, Inermicapsifer madagascariensis, ultrastructure of nephridial systems

Morphology, Cestoda
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Glaridacris catostomi, vitellogenesis, electron microscope study: vitelline cell differentiation; role of nucleus, its maturation and transformation during vitelline cell cytomorphosis; nuclear and cytoplasmic glycogen synthesis and storage; origin and development of shell globules

Morphology, Cestoda
Swilenov, D.; Heymer, B.; and Haferkamp, O., 1976, Ztschr. Parasitenk., v. 51 (1), 25-29
Echinococcus multilocularis, Meriones unguiculatus infected with scolices, scanning electron microscopy of developing cysts

Morphology, Cestoda
Tallman, C. J.; and Ritter, E., 1976, J. Parasitol., v. 62 (6), 864
Corallotaenia minutia, "the presence of a furrow or sulcus extending from the apical region to the strobila . . . is characteristic of all worms with a clearly stained scolex and should be included in the species description."

Morphology, Cestoda
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Phyllobothrium delphini in marine mammals, description of 5 new cyst morphotypes, measurements compared with existing morphotypes, zoogeography; results indicate that P. delphini and Monorygma grimaldii should maintain separate generic status and that P. delphini may represent more than one species

Morphology, Cestoda
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Morphology, Cestoda
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Raillietina carneostrobilata, integument, ultrastructure

Morphology, Cestoda
Vercelli-Retta, J.; et al., 1975, Ztschr. Parasitenk., v. 48 (1), 15-23
Echinococcus granulosus, hydatid cysts from human and bovine lungs, germinal membrane, histochemistry and histoenzymology, enzymes, lipids, metabolic pathways, possible endocrine system; possible future pharmacological studies for interference with parasite development

Morphology, Cestoda
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Hymenolepis microstoma cysticercoid, organization and fine structure of scolex muscles

Morphology, Cestoda
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Morphology, Cestoda
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Morphology, Nematoda
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Porrocaecum sulcatum, light and scanning electron microscopy

Morphology, Nematoda
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Morphology, Nematoda
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Abbreviata turkomanica, description, life cycle

Morphology, Nematoda
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physiological aspects of reproduction in nematodes, extensive review: range of reproductive phenomena; reproductive system; male and female gametes; physiology of fertilization; development; sex differentiation; nutrition and other factors in egg production; behavioural aspects of reproduction; reproductive phenomena and parasitism

Morphology, Nematoda
Aoki, Y.; and Katamine, D., 1975, Nettai Igaku (Trop. Med.), v. 17 (1), 27-34
Dirofilaria immitis, scanning electron morphology, morphometric data

Morphology, Nematoda
Araujo, P., 1975, Ann. Parasitol., v. 50 (2), 167-172
Ascaris suum, third-stage larvae, sexual dimorphism in genital primordium and in internal structure of tail (rectal glands)

Morphology, Nematoda
Areekul, S.; and Tipayamontri, U., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 31-38
Ancylostoma braziliense, egg counts, sex, number and size of developing worms, measurements, hematologic changes in hosts, comparative study of findings in dogs and cats (both exper.) infected by oral and cutaneous routes

Morphology, Nematoda
Bain, O.; and Chabaud, A.-G., 1975, Ann. Parasitol., v. 50 (2), 209-221
Oswaldofilaria 3 spp., morphology and development in mosquitoes

Morphology, Nematoda
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Dipetalonema weissi, adult morphology, larval development in Ornithodoros erraticus (exper.), comparison with D. viteae

Morphology, Nematoda
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Morphology, Nematoda
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Morphology, Nematoda
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Dirofilaria immitis, D. repens, Dipetalonema sp., microfilaria from dogs, staining for localization of acid phosphatase, detailed procedure, basis for diagnostic differentiation

Morphology, Nematoda
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mechanics of nematode feeding: anatomy of nematode oesophageal pump; feeding performance; theory of filling and emptying of nematode oesophagus; a model for filling cycle of oesophagus of Ascaris

Morphology, Nematoda
Beverley-Burton, M.; Nyman, O. L.; and Pippy, J. H. C., 1977, J. Fish. Research Bd. Canada, v. 34 (1), 105-112
Anisakis simplex larvae, description, morphology with particular reference to excretory system; comparative morphology of larvae from Clupea harengus harengus and Salmo salar in widely separated areas of North Atlantic suggest that Anisakis larvae Type I is A. simplex, findings substantiated by acid phosphatase polymorphism studies

Morphology, Nematoda
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Cyclodontostomum purvisi, accidental parasitism in man discovered during survey for incidence in rats, morphology, measurements: Thailand

Morphology, Nematoda
Bhaibulaya, M.; and Indra-ngarm, S., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (1), 118-119
Echinocephalus uncinatus, morphometric data, electron microscopy

Morphology, Nematoda
Bird, A. F., 1976, Organ. Nematodes (Croll), 107-137
skeletal structures in nematodes (copulatory spicules, cuticle, egg shell): structure, chemical composition, ontogeny, function, review

Morphology, Nematoda
Bogoiavlenskii, Iu. K.; and Demchenko, A. N., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 281-285
Raphidascaris acus, structure of cuticle, hypodermis, and somatic musculature

Morphology, Cestoda
Zdarska, Z.; and Slais, J., 1973, Plzen. Lek. Sborn. (39), 227-229
Cysticercus cellulosae, racemose form, differentiation for diagnostic purposes through electron microscopic differences in structure of wall of vesicles

Morphology, Host
Aikawa, M.; et al., 1977, Am. J. Path. (420), v. 87 (2), 285-296
Toxoplasma gondii tachyzoites, ultrastructural study of penetration of host cell by parasite

Morphology, Host
Aikawa, M.; Hsieh, C.-L.; and Miller, L. H., 1977, J. Parasitol., v. 63 (1), 152-154
Plasmodium simiovale- and P. fieldi-infected Macaca mulatta, ultrastructural alterations in cell membrane of erythrocytes, caveola-vesicle complexes likely correspond to Schüffner's dots, electron dense excrescences at protruded tip of infected erythrocytes

Morphology, Host
Crompton, D. W. T.; and Nesheim, M. C., 1976, Advances Parasitol., v. 14, 95-194
host-parasite relationships in alimentary tract of domestic birds, extensive review: nutrition of domestic birds; alimentary tract as habitat for parasites; alimentary tract of germ-free birds; parasite distribution within alimentary tract; relationships between parasites and host digestive physiology and nutrition

Morphology, Host
Ellis, D. S.; and Evans, D. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 380 [Demonstration]
Trypanosoma brucei rhodesiense, electron micrographs of passage of Trypanosoma through the peritrophic membrane of Glossina morsitans in central region of midgut

Morphology, Host
Plateaux, L., 1972, Ann. Sc. Nat., Zool. et Biol. Animale, 12. s., v. 14 (3), 203-220
Dilepididae (probably Choanotaenia), modification of color and morphology of infected ants (Leptothorax nylanderi); ants considered to be social parasites may be identical to their hosts but modified by parasites

Morphology, Miscellaneous phyla
Christensen, A. M., 1976, Ophelia, v. 15 (1), 77-97
Kronborgia spiralis [n. comb.], redescription, morphological features, life history, host-parasite relationships

Morphology, Miscellaneous phyla
Damas, D., 1977, Arch. Zool. Exper. et Gen., v. 118 (1), 29-42
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Morphology, Protozoa
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Morphology, Protozoa
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Morphology, Protozoa
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Leishmania mexicana amazonensis, ultrastructure, attachment in mid-gut and proventricular fold of experimentally infected Lutzomyia longipalpis

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Morphology, Protozoa
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Morphology, Protozoa
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Plasmodium lophurae, extracellular development in vitro, light and electron microscopy, incorporation of methionine or proline, observation of abnormalities which may indicate limits of extracellular cultivation in vitro (loss of host-derived outer parasite membrane and apparent reduction in feeding activity via food vacuoles)

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Morphometric data. See Measurements; Morphology.

Motility. [See also Locomotion]

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Motility
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Schistosoma mansoni eggs, hatching,role of light, ionic concentrations of medium, and osmotic pressure; effect of ions on miracidial motility; histochemical nature of egg vacuoles and their possible role in hatching process

Motility
Kramer, L. D.; and Vanderberg, J. P., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 913-916
Plasmodium berghei, mice, albumin enhances protection of intramuscularly injected irradiated sporozoites probably by increasing motility but intravenously injected sporozoites still offer more protection

Motility
Lom, J., 1973, Mikrokosmos, v. 62 (11), 340-343
Trichodina spp., motility, fine structure morphology

Motility
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Schistosoma mansoni, technique for measurement of worm activity as indication of drug action and worm response to drug

Motility
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cercariae, factors influencing emergence, behavior and viability

Motility
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Ascaris, motility studies in vitro, motility longer with glucose than when fasting; longer at 25° C than at 37° C; younger worms more active than mature ones

Motility
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Ancylostoma tubaeformae third-stage larvae, changes in lipid content, activity rate, and penetrability with time and at various temperatures, evaluation of infectivity using these parameters

Motility
Raether, W.; and Seidenath, H., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 285-295
Trypanosoma rhodesiense, motility and infectivity in various physiologic solutions, results show that motility of trypanosomes in suspension gives no clear indication of actual infectivity, implications for short-term storage

Motility
Raether, W.; and Seidenath, H., 1974, Tropenmed. u. Parasitol., v. 25 (1), 28-41
T[rypanosoma] rhodesiense, T[rypanosoma] brucei, influence of different physiological solutions and a blood substitute on motility and infectivity after deep-freezing in liquid nitrogen

Motility
Vanderberg, J. P., 1974, J. Protozool., v. 21 (4), 527-537
Plasmodium spp. sporozoites, motility, locomotion, movement, effects of several factors (parasite species, oocyst vs. salivary gland sporozoites, presence of albumin or globulins, temperature), relationship to infectivity, immunogenicity (circumsporozoite precipitate reaction), and secretory activity

Motility
Voge, M., 1975, J. Parasitol., v. 61 (3), 563-564
Hymenolepis diminuta, axenic development of cysticercoids from oncospheres hatched in vitro to fully developed larvae infective to rats, motility of developmental stages and of fully developed cysticercoids

Moulting. See Ecdysis.

Mouth. [See also Digestive system; Teeth; Tongue]

Mouth, Host
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Tetrapetalonema marmosetae, histopathologic study of infection in Saguinus oedipus (blood vessels and connective tissues of lips, tongue, periodontium, dental pulp, salivary glands) kept as research colony by University of Texas Dental Science Institute

Mouth, Host
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survey of fauna of human oral cavity, Entamoeba gingivalis and Trichomonas elongata discovered mostly in presence of tooth decay and alkaline reactions: Rijeka, Yugoslavia

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oral manifestations of human Leishmania donovani, clinical review

Mouth, Host
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Taenia solium in human, Cysticercus cellulosae with abscess formation excised from lesion on mucosal surface of man's lip: New York City

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human leishmaniasis of the hard palate, clinical aspects: Basel, Switzerland

Mouth , Parasite
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Mouth, Parasite
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Hermilius longicornis, function and morphology of mouth parts

Mouth , Parasite
McMullen, H. L.; Sauer, J. R.; and Burton, R. L., 1976, J. Insect Physiol., v. 22 (9), 1281-1285
Amblyomma americanum, mouth confirmed as site of water vapor absorption, movement of chloride ions traced in desiccated and rehydrated ticks, suggests possible role of salivary glands in water vapor uptake

Mouth , Parasite
Sixl, W.; Dengg, E.; and Waltinger, H., 1971, Munchen. Med. Wchnschr., v. 113 (49), 1645-1646
Haemaphysalis concinna, scanning electron microscopy of mouth parts (hypostoma and chelicera); ticks as mechanical vectors of human pathogens

Mouth , Parasite
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Haemaphysalis concinna, mouth parts, scanning electron morphology

Multiple infection. See Mixed infections.

Muscles, Host
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Brugia pahangi in Aedes aegypti, B. malayi in Aedes aegypti and Mansonia uniformis, flight muscle damage, quantitative aspects

Muscles , Host
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Muscles, Host
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Leishmania, hairless mouse, paravertebral muscle, ultrastructure, pathology, mitochondria alteration, cellular defensive activity

Muscles , Host
Cooper, B. J.; and Spence, I., 1976, Nature, London (5579), v. 263, 693-695
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Muscles , Host
Cypess, R. H.; et al., 1977, J. Med. Primatol., v. 6 (1), 23-32
Trichinella spiralis in Macaca mulatta (exper.), parasite distribution throughout muscular system, clinical and pathological changes, monkeys develop trichinosis which is clinically, pathologically and morphologically similar to human trichinosis

Muscles , Host
Davis, M. J.; et al., 1976, Neurology, v. 26 (1), 37-40
Trichinella spiralis in man, severe muscle involvement (4,046 larvae per gram of muscle), clinical case report, history of frequent consumption of pickled pigs' feet, recovery after thiabendazole given concomitantly with prednisone: New York City

Muscles , Host
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human echinococcosis, case report of cyst of gluteal muscle, surgical management: Italy

Muscles , Host
Enigk, K.; Feder, H.; and Dey-Hazra, A., 1976, Tropenmed. u. Parasitol., v. 27 (1), 57-69
mineral contents of blood and chemical composition of muscles of Trichinella spiralis-infected pigs, comparison with normal controls

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Trichinella spiralis-infected mice, alteration of gastrocnemius muscle kinetics, correlation with known morphological, biochemical, and histochemical changes

Muscles , Host
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Muscles , Host
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Trichinella spiralis in human with central nervous system involvement and unilateral rectus paresis, case report, history of pork chop consumption, thiabendazole in conjunction with prednisone: Baltimore

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cysticercosis affecting brain, spinal cord and muscles diagnosed in 1953 in soldier who served in India before World War II, twenty years later found to have severe damage to spine, bones, joints and muscles: Great Britain

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Brugia pahangi, susceptible and refractory mosquitoes, flight muscle ultrastructure, changes during parasite melanization in 'resistant' Anopheles labranchiae atroparvus, comparison with lack of change in 'susceptible' Aedes togoi and 'resistant' Aedes aegypti, decrease of glycogen in all 3 spp.

Muscles, Host
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Dipetalonema viteae larvae, distribution and migration in Ornithodoros tartakowskyi, as cause of injury to and disorganization of tick muscle fibers, failure of some ticks to feed after biting may protect from fatal hyperinfection

Muscles, Host
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Parelaphostrongylus andersoni, Odocoileus virginianus (exper.), gross and microscopic lesions, lungs, muscles, clinical signs, egg production, course of infection

Muscles, Host
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human echinococcosis of pyramidal muscle causing severe sciatica, clinical review, differential diagnosis, surgical management

Muscles, Host
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Muscles, Host
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Muscles, Host
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Bogoiavlenskii, Iu. K.; and Khatkevich, L. M., 1970, Parazitologiia, Leningrad, v. 4 (3), 223-230
4 spp. of Dioctophymata, fine structure of somatic musculature, distribution of DNA and RNA

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Muscles, Parasite
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Fasciola hepatica, incorporation of galactose and glucose into glycogen and glycoprotein of various tissues (parenchyma, tegument, testis, muscle), light and electron microscope autoradiography

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Macracanthorhynchus hirudinaceus, physiology of circular and longitudinal body wall muscles, activation system

Muscles, Parasite
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Ascaris lumbricoides, neuromuscular physiology, review: morphology; working of nerve-muscle preparation; ionic fluxes across muscle cell membranes

Muscles, Parasite
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Lanzavecchia, G.; Valvassori, R.; and De Eguileor, M., 1977, J. Molecular Biol., v. 111 (3), 371-374
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Muscles, Parasite
Londono M., I., 1976, J. Parasitol., v. 62 (4) 589-595
Dipetalonema viteae larvae, distribution and migration in Ornithodoros tartakowskyi, as cause of injury to and disorganization of tick muscle fibers, failure of some ticks to feed after biting may protect from fatal hyperinfection

Muscles, Parasite
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Ascaris lumbricoides var. hominis, purification and protein properties of trypsin inhibitor located in muscular and cuticular layers of parasite, speculations on immunologic role

Muscles, Parasite
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Schistosoma sp., fine structure of cercarial tail muscle

Muscles, Parasite
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Ascaris suum, mitochondrial DNA in fertilized eggs and adult body muscle, observations agree with previous conclusion that egg is typically aerobic whereas energy metabolism of muscle is essentially anaerobic

Muscles, Parasite
Schmidt, G. D., 1977, J. Parasitol., v. 63 (1), 112-116
Mediorhynchus, particularly M. robustus, description of praesomal musculature, implications for taxonomy

Muscles, Parasite
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Muscles, Parasite
Stretton, A. O. W., 1976, J. Exper. Biol., London, v. 64 (3), 773-788
Ascaris lumbricoides, anatomy of muscle cells and their neuromuscular contacts, development of musculature from larval to adult forms, brief comparison with Oxyuris equi

Muscles, Parasite
Tomosky-Sykes, T. K.; and Bueding, E., 1977, J. Parasitol., v. 63 (2), 259-266
Schistosoma mansoni, hycanthone effects on muscular activity and neurotransmitter systems cannot be related to mode of antischistosomal action of this drug, effects occur after hepatic shift, are not demonstrable with antischistosomal analogs of hycanthone, and are also elicited in hycanthone-resistant worms; histochemical observations with dansylated compounds

Muscles, Parasite
Vincent, A. L.; Ash, L. R.; and Frommes, S. P., 1975, J. Parasitol., v. 61 (3), 499-512
Brugia malayi, adults in pulmonary arteries of male Meriones unguiculatus, ultrastructure (cuticle, chords and intrachordal hypodermis, somatic musculature, basal laminae and pseudocoel, alimentary tract, reproductive systems)

Muscles, Parasite
Vincent, A. L.; Portaro, J. K.; and Ash, L. R., 1975, J. Parasitol., v. 61 (3), 567-570
Brugia pahangi, midbody ultrastructure of cuticle, hypodermis, and somatic musculature of adults, compared to B. malayi

Muscles, Parasite
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Hymenolepis microstoma cysticercoid, organization and fine structure of scolex muscles

Muscles, Parasite
Weisblat, D. A.; Byerly, L.; and Russell, R. L., 1976, J. Comp. Physiol., A, v. 111 (2), 93-113
Ascaris lumbricoides, ionic mechanisms of electrical activity in somatic muscle, significance of results in understanding role of myogenic activity in nematode locomotion

Muscles, Parasite
Weisblat, D. A.; and Russell, R. L., 1976, J. Comp. Physiol., A., v. 107 (3), 293-307
Ascaris lumbricoides, propagation of electrical activity in nerve cord and muscle syncytium

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dracunculosis in man, filarial arthritic infection in man's knee joint diagnosed by arthroscopy, clinical case report: France (had resided in Mali)

Mutations. See Genetics.

Myeloencephalitis. See Encephalomyelitis.

Native immunity. See Immunity, Native.

Nebraska. See United States, Nebraska.

Nepal
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Ixodes ticks of Nepal, host and geographic distribution

Nephritis. See Kidney.

Nervous system, Hosts. [See also Brain; Paralysis]

Nervous system, Hosts
Arcan, P.; et al., 1971, Neurol. Psihiat. Neurochir., v. 16 (1), 37-44
echinococcosis manifesting as intraspinal cyst in 15-year-old child, case report: Romania

Nervous system, Hosts
Arseni, C.; Cristescu, A.; and Ciurea, V., 1971, Neurol. Psihiat. Neurochir., v. 16 (1), 1-8
Taenia solium, human cysticercosis of central nervous system with spinal cord involvement, case reports, clinical management: Romania

Nervous system, Hosts
Badoual, J., 1973, Medecine Afrique Noire, v. 20 (6), 559-560
Plasmodium falciparum, neurological involvement in young infants, clinical aspects, quinine intravenously

Nervous system, Hosts
Baker, J. R.; and Taylor, A. E. R., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 471-485
Trypanosoma brucei brucei- and T. brucei rhodesiense-infected Pan troglodytes (exper.), course of infection, serologic relationships between trypanosome species and strains, blood changes, cerebrospinal fluid changes, post-mortem observations

Nervous system, Hosts
Bamford, C. R., 1975, Neurology, v. 25 (4), 343-345
Toxoplasma gondii presenting with symptoms of brain abscess and meningitis in 41-year-old man being treated for scleroderma, some improvement after therapy with sulfisoxazole and pyrimethamine: Tucson, Arizona

Nervous system, Hosts
Barrowman, P. R., 1976, Onderstepoort J. Vet. Research, v. 43 (2), 55-65
Trypanosoma equiperdum in naturally infected horses, transmission studies, clinical symptoms and lesions, localization of parasite, host immune response, methods for parasite detection, varying results of chemotherapy with MSbE; attempts to infect rats, rabbits, and a dog were unsuccessful: South Africa

Nervous system, Hosts
Bassily, S.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (I), 88-89 [Letter]
Schistosoma mansoni in humans resulting in diffuse schistosomal polyposis, frequent toxic nervous system reactions during treatment with niridazole compared with persons with schistosomal infections without polyposis

Nervous system, Hosts
Baurand, C.; et al., 1970, Marseille Med., v. 107 (11), 921-922
echinococcosis, woman, spinal cord compression secondarily to intradural hydatid cyst, case report: France (North-African native)

Nervous system, Hosts
Bazley, W. S., 1972, Obst. and Gynec., v. 39 (3), 362-367
Cysticercus cellulosae fatal cerebral cyst in woman 12 weeks pregnant, clinical case report, medical and prophylactic aspects: Arizona (native of Mexico)

Nervous system, Hosts
Benicio, G.; and Travassos, F., 1972, Neurobiol., v. 35 (2), 115-120
human cysticercosis, search for possible associations with epilepsy

Nervous system, Hosts
Bertrand, E.; and Rive, J., 1973, Medecine Trop., v. 33 (3), 279-282
human African trypanosomiasis, changes in cerebrospinal fluid and inflammatory reaction before and after arsobal-corticoide treatment

Nervous system, Hosts
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Ancylostoma caninum, dog (cervical spinal cord), first case in which partial maturity of the nematode was achieved with intense involvement of central nervous system: Queensland

Nervous system, Hosts
Carpenter, J. W.; Jordan, H. E.; and Ward, B. C., 1973, J. Wildlife Dis., v. 9 (2), 148-153
Parelaphostrongylus tenuis, Cervus canadensis (meninges and parenchyma of brain), clinical signs of neurologic disturbances, histopathologic lesions in CNS apparently related to nematode damage: Oklahoma

Nervous system, Hosts
Carvalho, R. R. D.; et al., 1972, Neurobiol., v. 35 (2), 129-138
Schistosoma mansoni in 14-year old boy affecting spinal cord and nervous system, diagnosis after biopsy of lesion, clinical improvement with ambilhar: Brazil

Nervous system, Hosts
Chernik, N. L.; Armstrong, D.; and Posner, J. B., 1973, Medicine, Baltimore, v. 52 (6), 563-581
parasitic central nervous system infections (cysticercosis, Taenia solium, Toxoplasma gondii) in persons suffering from carcinogenic lymphomas

Nervous system, Hosts
Church, E. M.; Wyand, D. S.; and Lein, D. H., 1975, Am. J. Vet. Research, v. 36 (3), 331-335
cerebrospinal nematodiasis, experimentally induced in Oryctolagus cuniculus with Ascaris columnaris, A. suum, or Toxocara canis, naturally occurring in Sylvilagus floridanus and O. cuniculus, clinical signs, gross and microscopic changes, duration of infection and parasite morphology and distribution in CNS, potential of rabbits as intermediate or paratenic hosts for ascarids of carnivorous origins

Nervous system, Hosts
Cohen, J.; et al., 1977, Brit. Med. J. (6071), v. 1, 1258
Schistosoma mansoni in man, severe schistosomal myelopathy with paraplegia, sensory deficit and bladder dysfunction, poor response to niridazole and prednisolone, evidence that spinal cord injury of immunologic nature mediated by response to worm and/or ova antigen: London (resident of Sudan)

Nervous system, Hosts
Condon, W. J.; and Gordon, R., 1977, J. Invert. Path., v. 29 (1), 56-62
Neomesomermis flumenalis, effects on neuroendocrine systems and storage of fat body glycogen in larval Prosimulium mixtum fuscum and Simulium venustum

Nervous system, Hosts
Cooper, B. J.; and Spence, I., 1976, Nature, London (5579), v. 263, 693-695
Ixodes holocyclus, mice, paralysis produced is due to temperature-dependent inhibition of evoked release of acetylcholine at neuromuscular junction

Nervous system, Hosts
Cotton, D. J.; et al., 1977, J. Applied Physiol.: Respiratory, Environmental and Exercise Physiol., v. 42 (1), 101-106
Ascaris suum antigen inhalation by dogs, rapid shallow breathing, results indicate that vagal afferent pathways mediate antigen-induced tachypnea and this response does not primarily depend on bronchoconstriction

Nervous system, Hosts
Cusick, P. K.; et al., 1976, J. Am. Animal Hosp. Ass., v. 12 (4), 490-491
Dirofilaria immitis, cat (brain, heart), neuropathologic changes, case history: Massachusetts

Nervous system, Hosts
Darrow, G. L., 1974, Postgrad. Med., v. 56 (4), 187-188
tick paralysis in 6-year-old girl, clinical case report, complete reversal of symptoms after removal of tick from child's scalp: Florida

Nervous system, Hosts
Diaz, G.; and Figueredo, L., 1976, Neurocirug., Santiago, v. 34 (1-2), 20-27
human echinococcosis involving central nervous system and spinal column with resulting syndrome of radicular and spinal cord compression, clinical symptoms, medical and surgical management, prognosis

Nervous system, Hosts
Diaz, G.; Schoihet, S.; and Poblete, R., 1975, Neurocirug., Santiago, v. 33 (3-4), 160-166
human cysticercosis involving central nervous system, clinical, radiological and laboratory methods of diagnosis, review of most frequent presenting symptoms, surgical treatment with ventriculo-atrial shunt: Chilé

Nervous system, Hosts
Diop, B., 1972, Medecine Afrique Noire, v. 19 (6), 513-522
central nervous system involvement, human intestinal helminths, review

Nervous system, Hosts
Draganski, K.; Chustecki, S.; and Kalczak, M., 1973, Polski Tygod. Lekar., v. 28 (19), 705-706
human cerebral cysticercosis, clinical manifestations with neurological and psychiatric syndromes, differential diagnosis, case report

Nervous system, Hosts
Duke, B. O. L.; Vincelette, J.; and Moore, P. J., 1976, Tropenmed. u. Parasitol., v. 27 (2), 123-132
microfilariae in cerebrospinal fluid of patients heavily infected with Onchocerca volvulus and resulting neurological complications, association between these complications and diethylcarbamazine therapy, implications for treatment programs with diethylcarbamazine and/or suramin: northern Cameroon

Nervous system, Hosts
Dumas, M.; Girard, P. L.; and Gentilini, M., 1976, Medecine Afrique Noire, v. 23 (2), 89-93
human filariasis, invasion of central nervous system by microfilaria, diagnosis by immunofluorescence and finding of antibodies in spinal fluid

Nervous system, Hosts
El-Banhawy, A., 1971, Neurol. Med.-Chir., v. 11, 17-33
Schistosoma haematobium, S. mansoni in humans, involvement of spinal cord, conus and cauda, clinical aspects, surgical management

Nervous system, Hosts
El-Banhawy, A.; Elwan, O.; and Taher, Y., 1972, Paraplegia, v. 10 (2), 172-180
human schistosomiasis of the central nervous system and spinal cord with involvement of conus medullaris and cauda equina region, clinical and surgical management of cases, potassium antimony tartarate: Egypt

Nervous system, Hosts
Foertsch, D.; and Dvorackova, I., 1971, Medicina Alemana, v. 12 (3), 272-290
case reports, diagnosis and clinical management of encephalitis caused by Toxoplasma gondii infection in adults

Nervous system, Hosts
Gawish, N., 1976, Egypt. J. Bilharz., v. 3 (1), 115-119
Schistosoma mansoni, S. haematobium, central nervous system pathology in infected humans and hamsters (exper.) compared, migratory pathways of ova to spinal cord shown by means of pathologic tissue changes

Nervous system, Hosts
Gilly, R.; et al., 1976, Pediatrie, v. 31 (1), 67-75
Hypoderma bovis myiasis in young child with presenting symptoms of facial and arm paralysis, at surgical intervention right intracerebral hematoma contained H. bovis maggot, source of infection unknown, clinical case report: Lyon, France

Nervous system, Hosts
Giordano, C.; et al., 1976, Medecine Afrique Noire, v. 23 (2), 83-87
case reports of human spinal cord compression by Dracunculus medinensis, clinical aspects, medical management: Ivory coast

Nervous system, Hosts
Gothe, R.; and Kunze, K., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 369-382
Argas walkerae larvae causing tick paralysis in chicken, neuropharmacological investigation to assess whether the assumed toxin has an action on the acetylcholine system and whether such action has a role in pathogenesis of tick paralysis

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Entamoeba histolytica, cell fractionation study, isolation and electron microscopy of two membrane fractions, properties and distribution of marker enzymes, chemical analysis of fractions, electrophoretic patterns of membrane polypeptides, glucose transport

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Plasmodium knowlesi, ribosomes, isolation technique, characterization

Nucleic acids
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Cryptobia vaginalis, light and electron microscopic morphology, kinetoplast DNA dispersed throughout single mitochondrion, feeding by pinocytosis through cytopharynx, bacterial symbiotes

Nucleic acids
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Crithidia luciliae, characterization of kinetoplast DNA networks

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Nutrition. [See also Diet; Vitamins]

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Fasciola hepatica, calves (exper.), no strong variations in ability to digest diet as compared to controls, not an explanation for observed growth deficiencies

Nutrition, Host
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Ostertagia ostertagi, calves (exper.), digestive utilization of host diet, results indicate that the diminished digestibility is not sufficient to account for the reduced growth

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Trichinella spiralis, Hymenolepis diminuta, rats (exper.) in which all nutrients were derived from parenteral or exocrino-enteric circulation rather than by ingesting food orally; H. diminuta failed to develop and T. spiralis showed differences from normal population size thus suggesting the importance of food in the host intestine in regulating development of tissue and lumen-dwelling parasites

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host-parasite relationships in alimentary tract of domestic birds, extensive review: nutrition of domestic birds; alimentary tract as habitat for parasites; alimentary tract of germ-free birds; parasite distribution within alimentary tract; relationships between parasites and host digestive physiology and nutrition

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DeVaney, J. A., 1976, Poultry Science, v. 55 (1), 430-435
Menacanthus stramineus, caged White Leghorn hens, decrease in hen weight, egg production, clutch size and feed consumption

Nutrition, Host
Dubinsky, P.; Lestan, P.; and Rybos, M., 1976, Biologia, Bratislava, s. B, Zool. (4), v. 31 (11), 829-838
Ascaridia galli larvae, chickens fed with amino acid-deficient cereal diet, effect on components of blood serum

Nutrition, Host
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Plasmodium berghei, mice, vitamin E-deficiency moderates course of infection, supports idea that oxidant sensitivity of host erythrocytes may limit severity of malaria

Nutrition, Host
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Nutrition, Host
Ezigbo, J. C.; et al., 1976, Parasitology, v. 73 (2), xxxii [Abstract]
filariasis in normal and protein-deficient cotton rats, serum enzyme levels

Nutrition, Host
Garcia, F. T.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 859-865
Strongyloides stercoralis, humans, results of study of intestinal function and morphology in strongyloidiasis show that associated malabsorption syndrome is secondary to concomitant malnutrition and not to the parasite per se

Nutrition, Host
Gingrich, R. E.; and Barrett, C. C., 1975, J. Med. Entom., v. 12 (1), 13-15
Hypoderma lineatum larvae, vitamin A deficiency in calves reduced host resistance to percutaneous invasion but had no effect on larvae injected subcutaneously

Nutrition, Host
Gladney, W. J.; et al., 1973, J. Med. Entom., v. 10 (2), 123-130
Boophilus annulatus, Holstein cattle (exper.), high protein and fat diet vs. low protein and fat diet, effect on host resistance, hematocrit, and serum cholesterol values, and on tick development and numbers; host resistance primarily physiological rather than behavioral (self grooming)

Nutrition, Host
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human gastrointestinal parasitic diseases, possible relationships with lactase deficiency in children

Nutrition, Host
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ascariasis-infested preschool children, effect of periodic deworming with tetramisole on nutritional status and growth in children receiving government-supplied food supplements: Uttar Pradesh, India

Nutrition, Host
Hale, O. M.; Stewart, T. B.; and Johnson, J. C., jr., 1977, Research Bull. (203) Agric. Exper. Stations Univ. Georgia, 3-21
Strongyloides ransomi, Ascaris suum, naturally infected gilt and/or barrow crossbred pigs, superimposed S. ransomi infection, differences in performance with diets of varying levels of protein and vitamins not significant

Nutrition, Host
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Ascaris lumbricoides, perivisceral fluid, glucose and trehalose content apparently independent of maturity of parasite or nutritive state of swine host

Nutrition, Host
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Pneumocystis carinii pneumonia in humans, differential diagnosis, clinical manifestations, pathophysiology of infection, close association with protein-calorie deprivations

Nutrition, Host
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factors connecting endemic ascariasis with endemic poor nutrition, world wide problem in child population

Nutrition, Host
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Ostertagia ostertagi, Cooperia, influence on energy efficiency in full-fed vs. maintenance-fed steers with high vs. low worm burdens (low worm burdens did not significantly effect energy utilization; in full-fed steers, energy retention was greater in steers with lower worm burdens; maintenance-fed steers were more heavily parasitized than full-fed steers)

Nutrition, Host
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possible role of intestinal parasitism in growth-retarded, anemic and malnourished Australian Aboriginal children, comparison with normal Aboriginal children: Queensland

Nutrition, Host
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Plasmodium berghei, vitamin A protein energy, undernourished rats, increased susceptibility to infection, lower host phagocytosis

Nutrition, Host
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Schistosoma mattheei, calves (exper.), effects of host nutrition and of weight of infection on parasite egg output

Nutrition, Host
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Schistosoma mattheei, Friesian calves, clinical pathological changes after primary infection, two different planes of nutrition

Nutrition, Host
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human intestinal parasites, mechanisms by which parasites interfere with host nutrition (competition for nutrients, malabsorption, blood loss, excess nutrient utilization), extensive review

Nutrition, Host
Lee, C. M.; Aboko-Cole, G. F.; and Fletcher, J., 1976, Ztschr. Parasitenk, v. 49 (1), 1-10
Trypanosoma musculi, vitamin A-deficient mice, increased parasitemia, delayed action of reproductive-inhibiting and terminal lytic antibodies, increase in body weight gains and food consumption

Nutrition, Host
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Trypanosoma lewisi in iron-deficient rats, parasitemias, trypanosome cell size and antibody formation, host body weight gains and food consumption

Nutrition, Host
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parasitic infestation, preschool children, malnutrition and impaired immune response, brief review comment: Nigeria

Nutrition, Host
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helminthiasis in school children, association with malnutrition: rural Tanzania

Nutrition, Host
Mikhail, M. M.; and Mansour, M. M., 1976, Clin. Chim. Acta, v. 71 (2), 207-214
Schistosoma mansoni and/or S. haematobium, patients with simple schistosomiasis vs. those with schistosomal polyposis all of whom showed signs of malnutrition, serum carnitine levels (and other haematological values) and liver function tests before and after nutritional repletion and ambilhar treatment, usefulness of serum carnitine as index of protein malnutrition

Nutrition, Host
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gastrointestinal parasites, domestic animals (nat. and exper.) and rabbits (exper.), effects of infections on protein metabolism

Nutrition, Host
Munir, M.; et al., 1976, Paediat. Indonesiana, v. 16 (11-12), 489-495
Plasmodium falciparum cerebral malaria in children, possible relationships between malarial infection and nutritional state; use of heparin as adjunct to malarial therapy shows promising results in small clinical trial: Indonesia

Nutrition, Host
Nadakal, A. M.; et al., 1973, Riv. Parassitol., Roma, v. 34 (3), 185-191
Raillietina tetragona, resistance potential of four breeds of domestic fowl on protein-deficient diet, normal development of worms seems independent of quantity of protein ingested by host, protein deficiency symptoms were intensified with worm infection

Nutrition, Host
Nadakal, A. M.; et al., 1975, Riv. Parassitol., Roma, v. 36 (1), 41-46
Raillietina tetragona, four breeds of domestic chickens, calcium deficient diets, significant depression of weight gains, breed differences in calcium content of worms and total leucocyte values of host birds

Nutrition, Host
Nair, B. K. H.; Joseph, A.; and Kandamutha, M., 1977, Indian J. Med. Research, v. 65 (4), 513-518
human scabies, epidemiologic survey of coastal fishing village showed prevalence of 59% in inhabitants, significant association between infection and poor nutritional state and with heavy helmintic infestation: Adimalathura, Kerala State, India

Nutrition, Host
Norden, D. A.; and Gelfand, M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 607-608 [Letter]
Schistosoma haematobium, human, urinary loss of protein and amino acids would appear to make little contribution to severity of malnutrition

Nutrition, Host
Parkins, J. J.; Holmes, P. H.; and Bremner, K. C., 1973, Research Vet. Sc., v. 14 (1), 21-28
Ostertagia circumcincta, effects of different infection levels on feed intake, apparent digestibility, and nitrogen balance in Blackface sheep when fed rations of different nitrogen content

Nutrition, Host
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Eimeria, site selectivity of various species for infection in particular regions of chick gastrointestinal tract used as tool to study loci of selenium absorption, potentiation of selenium deficiency by intestinal parasitism

Nutrition, Host
Purtilo, D. T.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 229-232
parasitized children with protein-calorie malnutrition, complete blood count, serum immunoglobulin concentration, significant relationship between intensity of parasitism and Ig levels: Brazil

Nutrition, Host
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Entamoeba histolytica in rats (exper.), strain variations in pathogenicity, pathology of lesions, role of host nutrition in pathogenesis

Nutrition, Host
Rao, V. G.; and Padma, M. C., 1975, Indian J. Exper. Biol., v. 13 (2), 168-171
Entamoeba histolytica, rats on low protein, low vitamin diet, increased susceptibility, poor immune response as shown by haemagglutination test

Nutrition, Host
Reid, B. D.; Reid, T. E.; and Ullstrop, G., 1971, Med. J. Zambia, v. 5 (2), 61-69
study of health of schoolchildren, parasitic survey and possible associations with nutritional status: Zambia

Nutrition, Host
Reveron, A. E.; et al., 1971, Proc. Nutrition Soc., v. 30 (3), 83A-84A
Trichostrongylus colubriformis, lambs (exper.), effects of nematode parasitism on calcium and phosphorus retention, results show that infestation adversely affected bone mineralization with marked decrease in absorption and retention of phosphorus but little effect on calcium metabolism

Nutrition, Host
Roseby, F. B., 1977, Austral. J. Agric. Research, v. 28 (1), 155-164
Trichostrongylus colubriformis, sheep, effects on characteristics of digesta flow and fermentation, derangements of nitrogen metabolism

Nutrition, Host
Ruegamer, W. R. ; and Phares, C. K., 1974, Proc. Soc. Exper. Biol. and Med., v. 146 (3), 698-702
Spirometra mansonoides, determination of age at which rats (exper.) show growth response to infections with plerocercoids, results show that slowly-growing intact female rats (96-133 days old) can be made to grow faster than uninfected controls and that they utilize their food more efficiently for growth, similar preliminary findings in infected males

Nutrition, Host
Saowakontha, S., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 37-40
Trichinella spiralis, absorptive functions of intestines of infected rats on low and high protein diets were not impaired either in early or late intestinal phases of infections as tested by D-xylose absorption

Nutrition, Host
Saowakontha, S., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (4), 586-592
Trichinella spiralis, rats (exper.), effects of different levels of protein in diet on numbers of intestinal worms and muscular larvae and on intensity of infections in hosts of varying weights and ages

Nutrition, Host
Saowakontha, S., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 79-81
Trichinella spiralis, no differences between number of worms in immunized rats (exper.) fed low or high protein diets, significantly lower number of worms in immunized rats compared with rats not immunized

Nutrition, Host
Saraya, A. K.; and Tandon, B. N., 1975, Progr. Drug Research, v. 19, 108-118
human hookworm infection, study of associated anemia and intestinal malabsorption

Nutrition, Host
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comparison of parasite fauna between emaciated and normal cattle in Zaria and Samaru slaughterhouses during 1973 (a drought year); poor nutrition lowers resistance of cattle and sheep to parasitism in drought-affected areas of Zaria; suggestions for prevention of helminthiasis during drought: Nigeria

Nutrition, Host
Schock, R. C., 1976, Mod. Vet. Pract., v. 57 (3), 181-184
gastrointestinal nematodes, cattle, level of parasitism, pasture conditions, nutrition and age of host, seasonal influences

Nutrition, Host
Schwalbe, C. P.; and Baker, J. E., 1976, J. Invert. Path., v. 28 (1), 11-15
Pyxinia frenzeli-infected vs. uninfected Attagenus megatoma, no significant differences in starvation-mediated alterations of nutrient reserves, data suggest P. frenzeli is commensal or mutalist rather than pathogen

Nutrition, Host
Shah, P. M.; Junnarkar, A. R.; and Khare, R. D., 1975, Progr. Drug. Research, v. 19, 136-146
impact of periodic deworming on nutritional status of preschool children, evaluation of including periodic deworming in National Nutrition Programmes of India

Nutrition, Host
Sheahan, B. J., 1975, J. Comp. Path., v. 85 (1), 97-110
Sarcoptes scabiei, iron-treated vs. iron-deprived pigs (exper.), histological, histochemical, and ultrastructural changes at skin sites, immediate and delayed hypersensitivity reactions

Nutrition, Host
Sykes, A. H., 1970, Proc. Nutrition Soc., v. 29 (1), 16 A
Eimeria acervulina, infection in chicks (exper.) resulted in reduction of weight gain, some actual weight loss and impaired utilization of absorbed energy

Nutrition, Host
Sykes, A. R.; and Coop, R. L., 1976, J. Agric. Sc., v. 86 (3), 507-515
Trichostrongylus colubriformis larvae, lambs (exper.), food intake and utilization after parasitic damage to small intestine, body weight changes, reduced host mineral metabolism

Nutrition, Host
Sykes, A. R.; and Coop, R. L., 1976, Proc. Nutrition Soc., v. 35 (1), 13A-14A [Abstract]
Trichostrongylus colubriformis, Ostertagia circumcincta, sheep (exper.), effects of extensive chronic parasitism on food intake and utilization by growing lambs, deposition of nitrogen and fat severely impaired and food intake reduced by 9%

Nutrition, Host
Sykes, A. R.; and Coop, R. L., 1977, J. Agric. Sc., v. 88 (3), 671-677
Ostertagia circumcincta larvae, daily dosing of growing sheep, reduction of food intake and utilization resulting from abomasal damage; reduced weight gain

Nutrition, Host
Tantengco, V. O.; et al., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (4), 524-533
Ascaris, Trichuris, hookworm infections apparently not contributory cause of nutritional anemia in schoolchildren: Philippine Islands

Nutrition, Host
Telch, J.; Vega Franco, L.; and Lara, R., 1974, Bol. Med. Hosp. Inf., v. 31 (4), 733-746
intestinal parasites, children 6 years old and under, 1-year survey of out-patients, statistical evaluation: Mexico

Nutrition, Host
Thomas, J.; et al., 1971, Medecine Trop., v. 31 (2), 177-181
bephenium hydroxynaphthoate, piperazine and thiabendazole in comparative clinical tests, institutionalized children with protein deficiency

Nutrition, Host
Turk, D. E., 1977, Poultry Science, v. 56 (5), 1763 [Abstract]
Eimeria spp., chicks, iron absorption, decreased by some species, increased during recovery period

Nutrition, Host
Vashishta, M. S.; and Singh, R. P., 1977, Livestock Advis., v. 2 (7), 35-38
Haemonchus epidemic in sheep and goats, banminth-II, fenbendazole, helmatac, thibenzole, good results; development of geophagia in survivals or treated groups: Haryana

Nutrition, Host
Walker, T. R.; and Farrell, D. J., 1976, Brit. Poultry Sc., v. 17 (1), 63-77
Ascaridia galli, significant reduction in metabolisability of dietary energy and nitrogen retention of infected chickens; inadequate amounts of vitamin A reduced size of larvae and perhaps decreased their numbers

Nutrition, Host
Wanchinga, D. M., 1977, Virginia J. Sc., v. 28 (2), 69 [Abstract]
Amblyomma maculatum, attachment and development on host albino rats deficient in vitamins (A, K, thiamine) and minerals (Ca, Na)

Nutrition, Host
Wenlock, R. W., 1977, Brit. J. Nutrition, v. 38 (2), 239-243
efficiency of urinary hydroxyproline index as indicator of nutritional status in mass surveys evaluated in presence of schistosomiasis, hookworm and malaria; in endemic malaria areas index probably of little value without prior evaluation of malarial status of all subjects

Nutrition, Host
Williams, J. C.; and Knox, J. W., 1976, Am. J. Vet. Research, v. 37 (4), 453-464
failure of stocker cattle to achieve projected weight gains at high stocking rates on Coastal bermudagrass pastures even with supplemental feeding and anthelmintic control of parasitism

Nutrition, Host
Yvore, P., 1974, Folia Vet. Latina, v. 4 (3), 408-425
intestinal coccidiosis (E. acervulina), caecal coccidiosis (E. tenella), comparison of nutritional effect in fowl, E. tenella causing insignificant losses, E. acervulina causing severe disease, interference with absorption

Nutrition, Parasite
Arme, C., 1976, Parasitology, v. 73 (2), xxiii [Abstract]
nutrition in cestodes

Nutrition, Parasite
Baker, R. A., 1977, Parasitology, v. 75 (3), 301-308
Unionicola intermedia, midgut caeca, contents, structure, function, relation to feeding activities of mite and tissue responses of its host (Anodonta anatina), parasite feeds on mucus and blood cells which are products of inflammatory response, parasite digestive enzymes are confined to intracellular vacuoles

Nutrition, Parasite
Bobiatynska-Ksok, E.; and Czerpak, R., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 121-125
Echinostoma revolutum rediae and Opisthioglyphe ranae sporocysts in hepatopancreas of Radix auricularia, carotenoids in flukes, bilirubin and glaucobilin type bile pigments and carotenoids in host hepatopancreas, possible relationships; no essential differences in pigments of infected and non-infected hosts

Nutrition, Parasite
Brohn, F. H., 1974, J. Protozool., v. 21 (3), 434 [Abstract]
Plasmodium lophurae, enzymes required for coenzyme A biosynthesis detected in host duck erythrocytes but parasite extracts show no activity, coenzyme A required by parasite is synthesized entirely in host erythrocyte

Nutrition, Parasite
Bruce, R. G., 1976, Parasitology, v. 73 (2), xxiii [Abstract]
nutrition of nematodes

Nutrition, Parasite
Budilova, M.; and Kulda, J., 1977, J. Protozool., v. 24 (4), 49A [Abstract]
Tritrichomonas foetus, enhancement of virulence (infectivity + mortality) for mice by ferric ammonium citrate, indicates accessibility of iron in form utilizable by parasite as critical factor in infection

Nutrition, Parasite
Camargo, E. P.; and Freymuller, E., 1977, Nature, London (5632), v. 270, 52-53
Crithidia, presence of ornithine carbamoyltransferase in species harboring bacteria-like endosymbionts (C. deanei, C. oncopelti) enables these species to synthesize arginine from ornithine thereby conferring a nutritional advantage on the protozoan host

Nutrition, Parasite
Castro, G. A.; et al., 1974, Proc. Soc. Exper. Biol. and Med., v. 146 (3), 703-706
Trichinella spiralis, Hymenolepis diminuta, rats (exper.) in which all nutrients were derived from parenteral or exocrino-enteric circulation rather than by ingesting food orally; H. diminuta failed to develop and T. spiralis showed differences from normal population size thus suggesting the importance of food in the host intestine in regulating development of tissue and lumen-dwelling parasites

Nutrition, Parasite
Castro, G. A.; et al., 1976, J. Parasitol., v. 62 (3), 353-359
course of infection with Trichinella spiralis and Hymenolepis diminuta when a parasitized, enterally fed rat is switched to total parenteral nutrition

Nutrition, Parasite
Chang, K.-P., 1976, J. Protozool., v. 23 (2), 241-244
Blastocrithidia culicis, Crithidia oncopelti, symbiote-free strains: liver extract as essential growth factor in defined medium; cross-reactivity in reciprocal agglutination test with symbiote-containing strains indicates loss of symbiotes does not affect antigenic identity

Nutrition, Parasite
Chappell, L. H., 1976, Parasitology, v. 73 (2), xxii [Abstract]
Schistosoma, Fasciola, relative nutritional roles of gut and tegument

Nutrition, Parasite
Cornford, E. M., 1977, Iowa State J. Research, v. 52 (2), 271-276
Hymenolepis diminuta, development in rats fed parenterally compared with tapeworm development in similarly infected rats fed orally; tapeworms from orally fed animals consistently larger and of greater mass than those from parenterally fed rats; possible causes discussed

Nutrition, Parasite
Dunkley, L. C.; and Mettrick, D. F., 1976, Canad. J. Zool., v. 54 (7), 1073-1078
Hymenolepis diminuta, rat, effect of increasing host dietary carbohydrate uptake on growth of 14-day-old worms, comparison of glucose vs. cornstarch diets

Nutrition, Parasite
Feldman, M. R., 1977, Exper. Parasitol., v. 41 (2), 290-306
Naegleria fowleri,cytochemical assays using acid phosphatase and 3,3'-diaminobenzidine reveal extent to which lysosomes and heme proteins contribute to cytoarchitecture, data suggest that pathogen's rapid invasive behavior is result of availability of erythrocytes (primary source of nutriment) in host inflammatory reaction and combined mechanisms of enhanced extracellular destruction with subsequent phagocytosis

Nutrition, Parasite
Hairstone, M. A., 1972, Pahlavi Med. J., v. 3 (2), 303-305
Schistosoma mansoni, ultrastructural study of digestive system shows the digestive tract as major pathway for absorption of materials into parasite body

Nutrition, Parasite
Halton, D. W., 1976, Parasitology, v. 73 (2), xxi-xxii [Abstract]
Calicotyle kroyeri vs. Diclidophora merlangi, examination of 3 organ systems with respect to nutrition, diet, feeding mechanism (foregut, gut caeca, tegument)

Nutrition, Parasite
Halton, D. W., 1977, Parasitology, v. 75 (2), i [Abstract]
Diclidophora merlangi, tegument, surface morphology, experimental evidence for functional role in absorption of low molecular weight nutrients

Nutrition, Parasite
Higgins, J. C., 1977, Parasitology, v. 75 (2), xx-xxi [Abstract]
Bucephalus haimeanus, nutrient uptake by metacercarial stage, hydrolytic enzymes in cyst wall

Nutrition, Parasite
Ho, B. C.; and Kan, S. P., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 86 [Demonstration]
Breinlia sergenti, development of filarial larva in fat body of Aedes togoi vectors, evidence that fat body provides some nutrition in the development

Nutrition, Parasite
Hussein, H. S., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 5 [Demonstration]
Babesia microti and B. hylomysci infections in mice on a milk diet, experiments showed dependence of both species on dietary supply of p-aminobenzoic acid (PABA) to synthesize folic and folinic acids

Nutrition, Parasite
James, B. L., 1976, Parasitology, v. 73 (2), xxii-xxiii [Abstract]
nutrition of marine Digenea in primary molluscan host

Nutrition, Parasite
Kamala Bai, M.; and Prasad, R. S., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 467-472
Xenopsylla cheopis, X. astia, nutritional efficacy of blood meal, nature of blood factors of host which stimulate ovarian maturation

Nutrition, Parasite
Kan, S. P.; and Ho, B. C., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 90-91 [Demonstration]
Breinlia sergenti, mode of nutrition of infective larvae developing within the individual fat cells of Aedes togoi vector mosquitoes

Nutrition, Parasite
Khan, Z. I.; and De Rycke, P. H., 1976, Ztschr. Parasitenk., v. 50 (1), 73-79
Hymenolepis microstoma, in vitro culture, added yeast extract increased sexual maturity, possible role of pyridoxin

Nutrition, Parasite
Komuniecki, R.; and Roberts, L. S., 1975, J. Parasitol., v. 61 (3), 427-433
Hymenolepis diminuta, roughage and carbohydrate content of host diet for optimal parasite growth and development

Nutrition, Parasite
Komuniecki, R.; and Roberts, L. S., 1977, Comp. Biochem. and Physiol., v. 57 (4B), 329-333
Hymenolepis diminuta, galactose can be metabolized to limited extent but cannot substitute for glucose as nutrient source

Nutrition, Parasite
Kretschmar, W.; and Voller, A., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 51-59
Plasmodium falciparum, suppression of malaria in Aotus trivirgatus fed exclusively on milk diet, indicates that P. falciparum is dependent on exogenous p-aminobenzoic acid supply for normal growth, supports view that dietary factors are involved in infant resistance to malaria

Nutrition, Parasite
Lumsden, R. D., 1975, Tr. Am. Micr. Soc., v. 94 (4), 501-507
Lacistorhynchus tenuis and Hymenolepis diminuta, tegument, model system for studies on membrane structure and function in host-parasite relationships

Nutrition , Parasite
Mead, R. W., 1976, J. Parasitol., v. 62 (2), 328-329
Hymenolepis diminuta migration in rat intestine, effect of abnormal glucose distribution, posterior movement of cestodes in response to posterior movement of glucose

Nutrition, Parasite
Mundim, M. H.; et al., 1974, J. Protozool., v. 21 (4), 518-521
Crithidia deanei, cultivation in defined medium, unexpectedly simple nutritional requirements, bacterial endosymbiont revealed by electron microscopy may provide other essential nutrients

Nutrition, Parasite
Mundim, M. H.; and Roitman, I., 1977, J. Protozool., v. 24 (2), 329-331
Crithidia deanei, strain cured of its bacteria-like symbiote by chloramphenicol had additional nutritional requirements beyond those of the parent strain

Nutrition, Parasite
Noble, E. R., 1974, J. Protozool., v. 21 (1), 1-4
3 ecologic approaches to study of protozoan parasitism: studies of energy flow between parasite and host; systems analysis; studies of nutrition through analysis of parasite's environment (Past President's address, Soc. Protozool.)

Nutrition, Parasite
Rogers, R.; Ellis, D. S.; and Denham, D. A., 1976, J. Helminth., v. 50 (4), 251-257
Brugia pahangi, intrauterine development of embryos from after fertilization to birth with particular emphasis on origin and development of sheath of microfilaria and its possible role in nutrition of developing embryo, comparison with other filarial species

Nutrition, Parasite
Roitman, I.; et al., 1977, J. Protozool., v. 24 (4), 553-556
Crithidia hutneri n. sp., C. luciliae thermophila s. sp. n., growth at high temperature in defined medium, nutritional requirements

Nutrition, Parasite
Schlick, W., 1973, Mikrokosmos, v. 62 (7), 199-201
Trichodina pediculus, feeding mechanism, morphology

Nutrition, Parasite
Senaud, J.; Chobotar, B.; and Scholtyseck, E., 1976, Tropenmed. u. Parasitol., v. 27 (2), 145-159
comparative fine structure morphology of Plasmodium cathemerium, Eimeria ferrisi, E. stiedai, Besnoitia jellisoni, and Frenkelia sp. micropores, discussion of micropore function in parasite nutrition

Nutrition, Parasite
Smit, J. D. G.; et al., 1977, Nature, London (5602), v. 266, 536-538 [Letter]
Ornithodorus moubata porcinus, haemoglobin crystals in midgut, formation, structure, changes with time, appear to play role in preservation of nutrient reserves

Nutrition, Parasite
Sofield, W. L.; and Strout, R. G., 1974, J. Protozool., v. 21 (3), 434 [Abstract]
Eimeria tenella, amino acids essential for asexual development in vitro

Nutrition, Parasite
Steiger, R. F.; and Meshnick, S. R., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 441-443
Leishmania donovani, L. braziliensis, amino-acid and glucose utilization by parasites

Nutrition, Parasite
Steiger, R. F.; and Steiger, E., 1977, J. Protozool., v. 24 (3), 437-441
Leishmania donovani, L. brasiliensis, promastigotes, nutritional requirements studied in modifications of simple defined culture medium, special emphasis placed on glucose and amino acid requirements

Nutrition, Parasite
Svarc, R.; and Zmoray, I., 1974, Biologia, Bratislava, s. B, Zool. (1), v. 29 (2), 121-127
Muellerius tenuispiculatus larvae, penetration into and development in soles of feet of Cepaea vindobonensis and Succinea putris, localization near sole glands, acid mucopolysaccharides and phospholipids in this site probably have role in larval nutrition

Nutrition, Parasite
Visvesvara, G. S.; and Balamuth, W., 1975, J. Protozool., v. 22 (2), 245-256
Acanthamoeba, Naegleria, Hartmannella, comparative studies on free-living and pathogenic amebae: cyst structure; nutrition; protein composition; immunology; cell free plaques and other cytopathic effects; phospholipase liberation; sensitivity to amphotericin B

Occupational diseases
Cross, J. H.; Hsu-Kuo, M. Y.; and Lien, J. C., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (4), 481-483
Plasmodium cynomolgi bastianellii, accidental infection in female laboratory worker who was exposing Macaca cyclopis to sporozoite infected mosquitoes, circumstances strongly suggest mosquito transmission although actual means remains unknown, clinical case report, cure with chloroquine and primaquine: Taiwan

Occupational diseases
Ebisawa, I.; and Muto, T., 1972, Jap. J. Exper. Med., v. 42 (4), 415-417
survey of healthy Laotians employed in endemic vivax malarial area for possible primaquine sensitivity (genetic metabolic deficiency) using methemoglobin reduction test; Japanese similarly tested

Occupational diseases
Engel, H. O., 1977, Brit. Med. J. (6087), v. 2, 642
scabies, more of an occupational disease than one of sexual transmission

Occupational diseases
Field, P. R.; Moyle, G. G.; and Parnell, P. M., 1972, Med. J. Australia, v. 2 (22), 196-198
accidental acquired infection of Toxoplasma gondii by laboratory worker, case report; recommended control procedures for laboratory workers: Australia

Occupational diseases
Fuller, G. K.; et al., 1976, Ann. Trop. Med. and Parasitol., v. 70 (2), 147-163
Leishmania donovani, human, epidemiologic skin test survey, endemic area, correlations with age, sex, occupation, parasite pathogenicity and host resistance: northwestern Ethiopia

Occupational diseases
Glickman, L. T.; and Cypess, R. H., 1977, Am. J. Pub. Health, v. 67 (12), 1193-1195
Toxocara canis, epidemiologic survey using the enzyme-linked immunosorbent assay to measure antibodies to Toxocara in employees of an animal hospital; results showed that there was no statistical association with either job exposure to dogs or with dog ownership: New York

Occupational diseases
de Groot, J. F. M.; et al., 1976, Nederl. Tijdschr. Geneesk., v. 120 (51), 2263-2267
Trichuris trichiura, Ascaris lumbricoides and Entamoeba histolytica, fecal survey of nursing staff and inmates of hospital for mentally retarded for presence of intestinal parasites: Groot Schuylenburg, Apeldoorn, Netherlands

Occupational diseases
Gutteridge, W. E.; Cover, B.; and Cooke, A. J. D., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 161 [Abstract]
Trypanosoma cruzi, safety precautions to be maintained when working in laboratory with infected animals or materials

Occupational diseases
Haedicke, T. A., 1972, Minnesota Med., v. 55 (12), 1105-1114
Schistosoma japonicum affecting the human nervous system, clinical case reports, history of fresh water bathing or working in fresh water while bridge building: Leyte and Mindanao, Philippines

Occupational diseases
Jacobs, D. E.; et al., 1977, Brit. Med. J., (6052), v. 1, 51
Toxocara canis, results of dog breeding kennel survey suggest that infection "not readily acquired by kennel staff maintaining a reasonable standard of personal hygiene"

Occupational diseases
Kamiya, M.; Klongkamnuankarn, K.; and Harinasuta, C., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (2), 233-236
Angiostrongylus cantonensis, comparison of oral, subcutaneous and intraperitoneal routes for infecting experimental rats, results show that infection could also be established in nature by penetration through wounds or skin abrasions thus putting at risk laboratory workers caring for infected vector snails

Occupational diseases
Lamas, R.; et al., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 74-77
cutaneous larva migrans (possible Ancylostoma caninum origin) in city garbage collector successfully treated with thiabendazole, transmission of infection probably from fecal-contaminated material associated with occupation: Santiago, Chile

Occupational diseases
Margono, S. S., 1968, Med. J. Malaya, v. 23 (4), 306-312
cercaria of Trichobilharzia brevis as possible cause of schistosome dermatitis affecting rice field workers

Occupational diseases
Nelson, G. S., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 109-122
human behavior in the transmission of parasitic diseases, review

Occupational diseases
Ozu, S.; et al., 1972, Nippon Noson Igakkai Zasshi (J. Japan. Ass. Rural Med.), v. 21 (3), 361-366
dermatitis in paddy field workers probably caused by schistosomes of avian origin: Saitama Prefecture, Japan

Occupational diseases
Pappaioanou, M.; Schwabe, C. W.; and Sard, D. M., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 732-742
Echinococcus granulosus, past history and evolving pattern of human hydatid disease and transmission in the United States

Occupational diseases
Ponnampalam, J. T., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 285 [Letter]
human malaria, increased risk of exposure of individuals to bite of mosquito vectors during the durian (local fruit) season (June-Sept.) when collecting fruit by night or living in the orchards during that time: West Malaysia

Occupational diseases
Ramachandran, C. P.; et al., 1971, Med. J. Malaya, v. 25 (4), 273-277
survey of workers on rubber plantation for evidence of Brugia malayi filariasis: Negeri Sembilan, West Malaysia

Occupational diseases
Roeckel, I. E.; and Lyons, E. T., 1977, Ann. Clin. and Lab. Sc., v. 7 (5), 405-410
Strongyloides westeri causing cutaneous larva migrans with severe allergic hypersensitivity in laboratory workers exposed to live Strongyloides larvae, clinical case reports, recommendations for control; similar lesions and pathologic changes produced in rabbit experimentally

Occupational diseases
Rycroft, R. J. G.; and Calnan, C. D., 1977, Brit. Med. J. (6082), v. 2, 303-304
scabies outbreak among employees of fleet of pleasure crafts and among their families, absence of typical scabietic lesions and burrows complicated diagnosis, year-long epidemic finally contained after treatment with gamma benzene hexachloride lotion: Thame River area, Great Britain

Occupational diseases
Sengbusch, H. G.; and Sengbusch, L. A., 1976, Am. J. Epidemiol., v. 103 (6), 595-597
comparative survey for prevalence of Toxoplasma gondii antibodies in veterinary personnel and selected population with no exposure to cats; hygiene, type of association, duration of exposure and infectivity of cats as considerations for disease transmission

Occupational diseases
Sibalic, D.; and Radovic, M., 1970, Acta Parasitol. Iugoslavica, v. 1 (1-2), 21-27
Toxoplasma gondii, antibody titers among workers in a meat packing plant in relation to their contact with animals, higher titers among those in contact with animals, much higher incidence of new infections among those in contact with animals: Yugoslavia

Occupational diseases
Sibalic, D.; Radovic, M.; and Martinovic, M., 1972, Acta Parasitol. Iugoslavica, v. 3 (2), 89-96
Toxoplasma gondii, incidence of infection in various occupational groups: Yugoslavia

Occupational diseases
Stoll, L., 1975, Oeffentl. Gsndhtsw., v. 37 (2), 99-107
human toxoplasmosis, epidemiologic survey of foreign immigrants from Mediterranean areas and comparison with German natives as to occupational exposure, dietary habits and association with cats: West Germany

Occupational diseases
Straka, S.; et al., 1977, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 26 (1), 52-60
tapeworms, human, epidemiological analysis, geographical distribution, sex, age, social structure, occupation and clinical symptoms; transmission by raw meat, efficacy of anthelmintics: Slovak Socialist Republic

Occupational diseases
Suzuki, N.; et al., 1973, Nippon Noson Igakkai Zasshi (J. Japan. Ass. Rural Med.), v. 21 (5), 484-490
Trichobilharzia [sp.], cercariae shed from Austropeplea ollula implicated as cause of dermatitis in paddy field workers after similar infection experimentally proven with humans: Saitama Prefecture, Japan

Occupational diseases
Suzuki, N.; et al., 1973, Nippon Noson Igakkai Zasshi (J. Japan. Ass. Rural Med.), v. 21 (5), 491-495
Gigantobilharzia sturniae cercariae shed from Polypylis hemisphaerula implicated as cause of dermatitis in paddy field workers after similar infection experimentally proven with humans: north-western Saitama Prefecture

Occupational diseases
Suzuki, N.; et al., 1976, Nippon Noson Igakkai Zasshi (J. Japan. Ass. Rural Med.), v. 25 (4), 604-613
dermatitis in paddy field workers attributed to Gigantobilharzia sturniae infected Polypylis hemisphaerula and Trichobilharzia sp. infected Austropeplea ollula vector snails found in water of paddy fields: Kagoshima Prefecture

Occupational diseases
Tan, D. S. K.; and Zaman, V., 1973, Med. J. Malaysia, v. 27 (3), 188-191
statistical survey for prevalence of Toxoplasma gondii antibodies in inhabitants of West Malaysia

Occupational diseases
Timperman, J.; and Peremans, J., 1968, Med. Sc. and Law, v. 8 (3), 207-208
evidence of multiple granuloma-like lesions in lung and liver found at autopsy in pilot who had crashed inexplicably, apparently silent infection caused by Schistosoma mansoni, significance of disease findings to physical requirements of profession: Belgium

Occupational diseases
Waddy, B. B., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 39-50
human parasitism and public health problems associated with building of new lakes and dams, review of several water projects with emphasis on Africa

Occupational diseases
Zimmermann, W. J., 1976, Pub. Health Rep., U.S. Pub. Health and Mar. Hosp. Serv., v. 91 (6), 526-532
Toxoplasma gondii, no definitive relationships could be determined between epidemiologic characteristics examined and the presence of antibodies to toxoplasmosis in survey of veterinary college staff and students at the Iowa State University

Occupational diseases
Zuidema, P. J.; Rep, B. H.; and Meuzelaar, H. L. C., 1971, Nederl. Tijdschr. Geneesk., v. 115 (45), 1886-1889
Ancylostoma ceylanicum and Necator americanus, mild infections in Dutch soldiers who had served in Surinam, clinical aspects: Netherlands

Oceans, Pacific Ocean
Chow, C. Y., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 404-418
Wuchereria bancrofti, Brugia malayi, up-to-date review of confirmed and suspected vectors in WHO Western Pacific Region, available data of natural and experimental infection and infective rates of most vector mosquitoes, remarks on ecology and control

Oceans, Pacific Ocean
Kurochkina, Z. A., 1968, Gel'mint. Zhivot. Tikhogo Okeana (Skriabin), 153-156
bibliography of Soviet helminthological studies of Pacific basin, fish and marine mammals

Omentum. *See* Peritoneum.

Ontario. *See* Canada, Ontario.

Ontogeny. *See* Development.

Oogenesis. *See* Gametogenesis.

Oregon. *See* United States, Oregon.

Osmosis. [*See also* Absorption; Permeation]

Osmosis
Asanji, M. F.; and Williams, M. O., 1975, Ztschr. Parasitenk., v. 47 (2), 151-163
trematode metacercarial excystment, enzymes, various non-enzymic media, temperature, pH, osmotic pressure, oxidation-reduction potential, ox bile as factors

Osmosis
Banaja, A. A.; James, J. L.; and Riley, J., 1976, Parasitology, v. 73 (2), xxix [Abstract]
pentastomids, tegumental cuticular cells, osmoregulatory function

Osmosis
Banaja, A. A.; James, J. L.; and Riley, J., 1977, Internat. J. Parasitol., v. 7 (1), 27-40
Reighardia sternai, Porocephalus crotali, Armillifer moniliformis, tegumental chloride cells (previously termed cuticular cells), ultrastructure, osmoregulatory function

Osmosis
Denbo, J. R.; and Miller, D. M., 1975, Tr. Illinois State Acad. Sc., v. 68 (1), 73-82
Macracanthorhynchus hirudinaceus, various dilutions of sea water, osmolarity and ionic composition of pseudocoloemic fluid, sodium, calcium and potassium ions; weak forms of ionic and osmotic regulatory mechanisms

Osmosis
Gesinski, R. M.; Napoletano, T. S.; and Algaier, R. J., 1976, Science Biol. J., v. 2 (6), 244-250
Plasmodium berghei, mice, volume changes and osmotic fragility of normal and infected erythrocytes, non-infected erythrocytes from infected animals lyse earlier than erythrocytes from malaria-free animals, malaria-infected erythrocytes were least susceptible to volume changes and lysis

Osmosis
Haase, W., 1975, Ztschr. Morphol. Tiere, v. 81 (4), 343-353
Argulus foliaceus, ultrastructural changes in fields of carapace with changes of ion concentration in habitat, acute changes when put into distilled water or 1% sodium chloride solution, small changes with gradual adaptation to lower concentrations

Osmosis
Kassim, O.; and Gilbertson, D. E., 1976, J. Parasitol., v. 62 (5), 715-720
Schistosoma mansoni eggs, hatching, role of light, ionic concentrations of medium, and osmotic pressure; effect of ions on miracidial motility; histochemical nature of egg vacuoles and their possible role in hatching process

Osmosis
Kovac, L.; Cerkasov, J.; and Cerkasovova, A., 1977, J. Protozool., v. 24 (4), 51A [Abstract]
Tritrichomonas foetus cells, osmotic and permeability properties

Osmosis
Mitterer, K.-E., 1975, Ztschr. Parasitenk., v. 48 (1), 35-45
Dicrocoelium dendriticum miracidia, hatching with formic acid, caproic acid and intestinal juice of Helix pomatia, absence of O_2, presence of bacteria; indirect dependence on pH; permeabilities and osmotic pressure; hypothesis of hatching mechanism: granular gland activation releases enzyme, polysaccharide digested to oligosaccharide, rising osmotic pressure bursts operculum

Osmosis
Motomura, I., 1967, Nettai Igaku (Trop. Med.), v. 9 (4), 201-225
Toxoplasma gondii, mice (exper.), survival comparisons of Beverley and RH strains under various physico-chemical conditions (osmotic pressure, pH, temperature, moisture, irradiation)

Osmosis
Parkin, J. T., 1976, Parasitology, v. 73 (3), 343-354
Nematodirus battus, egg development and hatching, effect of variations in humidity and osmotic pressure

Osmosis
Podesta, R. B., 1977, Exper. Parasitol., v. 42 (2), 289-299
Hymenolepis diminuta, method for in vitro determination of marker distribution volumes of mucosal extracellular space (MES) and tissue extracellular space (TES), TES also used to estimate intracellular concentration of sodium, applications and limitations in studies on kinetics of solute uptake

Osmosis
Podesta, R. B.; and Mettrick, D. F., 1976, Internat. J. Parasitol., v. 6 (2), 163-172
Hymenolepis diminuta, interrelationships between in situ fluxes of water, electrolytes, and glucose, hypothesis concerning function of hypertonic fluid absorption in acid-base regulation and energy metabolism

Osmosis
Raisanen, S.; and Saari, M., 1976, Med. Biol., v. 54 (2), 152-155
effect of preservation time and changes in osmotic pressure on infectivity and survival of Toxoplasma gondii trophozoites

Osmosis
Rao, L. N., 1976, Indian J. Exper. Biol., v. 14 (1), 61-63
osmoregulation in trematodes in hypertonic solutions, no osmoregulation in hypotonic solutions, survival in hypertonic environment of host serum, Rana tigrina

Osmosis
Reisin, I. L.; et al., 1977, Internat. J. Parasitol., v. 7 (3), 189-194
Echinococcus granulosus, mebendazole readily permeates through membranes of secondary cysts

Osmosis
Roitman, I., 1970, Rev. Microbiol., Sao Paulo, v. 1 (2), 93-94
Crithidia fasciculata, growth factors in culture medium above 33°C, lipid and osmotic requirements

Osmosis
Seed, T. M.; et al., 1976, Exper. Parasitol., v. 40 (3), 380-390
Plasmodium berghei (intraerythrocytic and ultrasonically liberated), effect of osmotic stress on cell ultrastructure and parasite infectivity, comparison with mouse host erythrocytes, results suggest these parasites have osmotic regulatory capacities at least comparable to host cells

Osmosis
Sommerville, R. I., 1976, J. Parasitol., v. 62 (2), 242-246
Haemonchus contortus, development and ecdysis in vitro, effects of changes in both ionic composition and osmotic pressure, potassium as necessary component of salt solution

Osmosis
Srivastava, M.; and Gupta, S. P., 1976, Zool. Anz., Jena, v. 196 (1-2), 80-84
Isoparorchis hypselobagri, osmotic activity, various NaCl concentrations, osmotic pressure of host serum (expressed in depression of freezing points)

Osmosis
Wright, D. J.; and Newall, D. R., 1976, Organ. Nematodes (Croll), 163-210
nematodes, nitrogen catabolism and excretory products, osmotic and ionic regulation, excretory structures, review

Ovary. See Gonads.

Overwintering. [See also Climate; Hibernation; Seasonal distribution; Survival; Temperature]

Overwintering
Ayala, S. C., 1973, Am. Midland Naturalist, v. 89 (2), 266-280
community dynamics of sandfly-borne protozoan infections: central California

Overwintering
Baxter, J. T.; and Allan, D., 1977, Vet. Rec., v. 101 (19), 394 [Letter]
Dictyocaulus viviparus, persistence of larvae on pasture herbage October to April, possibly due to gradual disintegration of feces: Northern Ireland

Overwintering
Brunsdon, R. V., 1976, N. Zealand J. Exper. Agric., v. 4 (3), 275-279
lambs, effectiveness of single thiabendazole drench at weaning in controlling build-up of trichostrongyle worm burdens, relative importance of various sources of pasture contamination (overwintered larvae; larvae deposited by ewes and lambs in pre-weaning period; larvae deposited by lambs at weaning)

Overwintering
Cawthorn, R. J.; and Anderson, R. C., 1976, Canad. J. Zool., v. 54 (4), 522-525
Physaloptera maxillaris in Mephitis mephitis, seasonal distribution of adults and third- and fourth-stage larvae, analysis of data relates various stages found to feeding behavior of skunk throughout year, third-stage larvae determined to be overwintering stage: Guelph, Ontario

Overwintering
Ghadirian, E.; et al., 1976, Canad. J. Pub. Health, v. 67 (6), 495-498
human toxocariasis, prevalence survey of Toxocara spp. and other helminth ova in dogs and soil from city parks, larvae survival over winter months results in continuing contamination of soil and increasing public health problem: Montreal

Overwintering
Gibson, T. E.; and Everett, G., 1975, Vet. Parasitol., v. 1 (1), 77-83
Ostertagia circumcincta infection in lambs originating from larvae which survived the winter, pastures with high vs. low residual larval infection, differences in worm burdens between 2 groups but no significant difference in weight gain, implications for worm control

Overwintering
Gibson, T. E.; and Everett, G., 1976, Research Vet. Sc., v. 20 (2), 158-161
Nematodirus filicollis, development and survival of eggs placed on grass plots over a period of a year, extraordinary persistence of eggs and larvae under weather conditions of southern England makes control difficult

Overwintering
Gibson, T. E.; and Everett, G., 1977, Research Vet. Sc., v. 23 (2), 191-195
Ostertagia circumcincta, lambs (exper.), contribution of residual pasture larvae and the spring rise as sources of infection, weather conditions as useful tool in predicting patterns of infection and most effective preventive measures

Overwintering
Helle, O.; and Tharaldsen, J., 1976, Vet. Parasitol., v. 1 (4), 345-357
Ostertagia ostertagi and Cooperia spp. in young cattle during their first grazing season, free-living stages overwintered in sufficient numbers to cause reduced weight gain and clinical disease in early spring, thiabendazole treatment and move to clean pasture improved weight gain: Norway

Overwintering
Kraneburg, W., 1977, Berl. u. Munchen. Tierarztl. Wchnschr., v. 90 (16), 316-320
Paramphistomum cervi, development of parasite in snail intermediate host and free-living stages, overwintering in snail

Overwintering
Kunz, S. E.; and Cunningham, J. R., 1977, Southwest. Entom., v. 2 (2), 79-87
Haematobia irritans, population prediction equation using environmental factors, reproductive bionomics, seasonal distribution, emergence, overwintering: Texas

Overwintering
Lorentzen, G.; and Halvorsen, O., 1976, Norwegian J. Zool., v. 24 (4), 461 [Abstract]
Elaphostrongylus rangiferi free living first stage larvae, overwintering, temperature tolerance; this stage not likely to be a factor limiting success of parasite: north Norway

Overwintering
Nelson, M., 1977, Vet. Rec., v. 101 (12), 248 [Letter]
lungworms, winter survival, evidence for possible migration into and overwintering in soil

Overwintering
Oakley, G. A., 1977, Vet. Rec., v. 101 (10), 187-188
Dictyocaulus viviparus, overwinter survival on pasture, possible mechanisms: Cheshire

Overwintering
Reisen, W. K.; Kennedy, M. L.; and Reisen, N. T., 1976, J. Parasitol., v. 62 (4), 628-635
winter ecology of ectoparasites collected from hibernating Myotis velifer (incidence, intensity, monthly changes, parasite and host sex ratio, interspecific associations, parasite age structure, etc.): Harmon County, southwestern Oklahoma

Overwintering
Robertson, A. S.; et al., 1975, J. Med. Entom., v. 12 (5), 530-534
Amblyomma americanum, molting behavior of engorged nymphs and larvae in 2 contrasting habitats, effect of environmental conditions on molting time and post-molt activity: Cherokee Co., Oklahoma

Overwintering
Rose, J. H., 1975, Research Vet. Sc., v. 18 (2), 175-177
Nematodirus helvetianus, eggs which survive on pastures throughout winter are able to transmit infection to calves turned on to pasture in early summer but such calves did not exhibit symptoms of clinical disease, concluded that such eggs are unlikely to be associated with disease outbreaks

Overwintering
Semtner, P. J.; Sauer, J. R.; and Hair, J. A., 1973, J. Med. Entom., v. 10 (2), 202-205
Amblyomma americanum, molting time of replete nymphs under field conditions, seasonal variance; post-molt behavior of adults during first and second summer in different habitats, survival, overwintering success

Overwintering
Southcott, W. H.; Major, G. W.; and Barger, I. A., 1976, Austral. J. Agric. Research, v. 27 (2), 277-286
sheep nematodes, seasonal pasture contamination, availability to infect grazing sheep, overwintering: Armidale, New South Wales

Overwintering
Swietlikowski, M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 95-101
Dictyocaulus viviparus, calves infected orally by larvae refrigerated 3 or 8 months; young larvae produce more severe disease; both ages cause similar immunological response; implications for overwintering, epizootiology, and self-cure

Overwintering
Tharaldsen, J., 1976, Acta Vet. Scand., v. 17, Suppl. 61, 1-21
trichostrongylid infections, calves, survival of larvae on pasture, occurrence of larvae not influenced by artificial irrigation; treatment with thiabendazole did not effectively control infection due to overwintering larvae, neither improved weight gain nor reduced egg production: Norway

Oviposition. See Reproduction.

Oxygen. [See also Respiration]

Oxygen
Atkinson, H. J., 1976, Organ. Nematodes (Croll), 243-272
respiratory physiology of nematodes, review: diffusion of oxygen into nematodes; factors influencing oxygen demand; oxygen availability; respiration in low oxygen regimes; respiratory function of haemoglobin in nematodes

Oxygen
Desowitz, R. S., 1965, Med. J. Malaya, v. 20 (1), 52-53
oxygen consumption of Plasmodium berghei in presence of normal or immune rat serum and chloroquine, possible usefulness in drug screening and determination of drug-serum clearance rates

Oxygen
Fromentin, H., 1972, Protistologica, v. 8 (3), 365-368
Trypanosoma gambiense, T. evansi, normal vs. dyskinetoplastic strains, oxygen consumption compared

Oxygen
Gesinski, R. M.; and Napoletano, T. S., 1976, Science Biol. J., v. 2 (3), 84-88
Plasmodium berghei-infected mice, increased oxygen consumption by bone marrow cells, decreased oxygen consumption in presence of antibodies

Oxygen
Goldberg, B.; et al., 1974, J. Protozool., v. 21 (2), 322-326
Leptomonas sp., inhibition by several standard antiprotozoal drugs of growth and oxygen uptake of cells and particulate preparations, possible use as model organism for screening antitrypanosomatid agents as compared to Crithidia fasciculata

Oxygen
Harpur, R. P.; and Jackson, D. M., 1975, J. Parasitol., v. 61 (5), 808-814
Ascaris suum, pieces of gut tissue in vitro, oxygen consumption, production of fermentation acids, anaerobic synthesis of protein

Oxygen
Harpur, R. P.; and Jackson, D. M., 1976, Comp. Biochem. and Physiol., v. 54 (4B), 455-460
Ascaris suum, isolated intestine, glucose diminished oxygen uptake (Crabtree effect), glucose caused increases in tissue carbohydrate, CO_2 evolution, and acid production, no Pasteur effect demonstrated, glutamine increased oxygen uptake in presence and absence of glucose but did not abolish Crabtree effect

Oxygen
Haston, W. S., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 146 [Abstract]
Trypanosoma brucei, gradient diver technique used to measure oxygen uptake of culture forms for the purpose of studying metabolism of developmental stages

Oxygen
Haston, W., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 275 [Demonstration]
Trypanosoma brucei brucei, metabolic changes accompanying transformation from bloodstream forms to vector forms, studies using microrespirometric technique to measure oxygen consumption

Oxygen
Miller, J. A.; et al., 1977, J. Econom. Entom., v. 70 (2), 179-182
techniques for shipping large numbers of Haematobia irritans, O_2 depletion and CO_2 accumulation critical factors in survival of flies, laboratory and field trials

Oxygen
Mitterer, K.-E., 1975, Ztschr. Parasitenk., v. 48 (1), 35-45
Dicrocoelium dendriticum miracidia, hatching with formic acid, caproic acid and intestinal juice of Helix pomatia, absence of O_2, presence of bacteria; indirect dependence on pH; permeabilities and osmotic pressure; hypothesis of hatching mechanism: granular gland activation releases enzyme, polysaccharide digested to oligosaccharide, rising osmotic pressure bursts operculum

Oxygen
Mohandas, A., 1974, Proc. National Acad. Sc. India, Sect. B, v. 44 (3), 139-144
cercariae, factors influencing emergence, behavior and viability

Oxygen
Mueller, M.; and Lindmark, D. G., 1976, Antimicrob. Agents and Chemotherapy, v. 9 (4), 696-700
Tritrichomonas foetus, Trichomonas vaginalis, Entamoeba invadens, uptake of metronidazole under anaerobic vs. aerobic conditions, effect on viability of T. foetus

Oxygen
Rachford, F. W., 1976, Exper. Parasitol., v. 39 (3), 393-400
Angiostrongylus cantonensis-infected Lymnaea palustris vs. non-infected controls, oxygen uptake at 25, 30, and 35 C over 34-day periods

Oxygen
Ramanaiah, B. V.; and Agarwal, S. M., 1975, Indian J. Exper. Biol., v. 13 (2), 221-222
Clinostomum complanatum, Euclinostomum heterostomum, glycogen content, less in adults than in metacercariae; oxygen deficient habitat of metacercariae necessitates frequent glycolysis, adults in heron mouth cavity utilize atmospheric oxygen; starvation of both stages in vitro quickly depletes glycogen, host starvation reduces metacercarial glycogen less but significantly

Oxygen
Reichenbach-Klinke, H. H., 1975, Fisch u. Umwelt (1), 151-153
parasites of fish, control by manipulation of environmental factors (temperature, oxygen, light, pH)

Oxygen
Siddiqi, A. H.; and Nizami, W. A., 1975, Ztschr. Parasitenk., v. 47 (4), 263-268
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Parasite surfaces
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Trypanosoma duttoni, cell surface polysaccharides

Parasite surfaces
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Trypanosoma musculi bloodstream forms, extracellular surface coat, fine structure, presence and distribution of carbohydrates in surface coat and pellicular membrane

Parasite surfaces
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Parasite surfaces

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Parasite surfaces

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Parasite surfaces

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Parasite surfaces

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Trypanosoma brucei brucei, antigenic analysis of variant-specific component, localization on surface coat using labelled specific antibodies

Parasite surfaces

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Parasite surfaces

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Parasite surfaces

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Schistosoma mansoni, morphologic evidence that eosinophils damage antibody-coated schistosomulas and that interactions between eosinophils and schistosomula occur under conditions which stimulate intimate contact between eosinophils and schistosomular surface

Parasite surfaces

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Schistosoma mansoni schistosomula cultured in human blood of various specificities, acquisition of A, B, H, and Lewis^{b+} antigens at parasite surface, Rhesus, M N S, and Duffy antigens could not be detected

Parasite surfaces

Goldring, O. L.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 144-148

Schistosoma mansoni, detection of mouse host antigens and parasite antigens on surface of schistosome using indirect fluorescent antibody technique, suggests that presence of host antigens obviates binding of antischistosome antibody in sufficient quantity or in correct pattern to cause surface damage of schistosome

Parasite surfaces

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Schistosoma mansoni, origin in vitro of host-like blood group surface antigens, results show that such antigens are not synthesized by the parasite in glycolipid form and are not acquired from the host as glycoproteins

Parasite surfaces

Gueugnot, J.; et al., 1976, Compt. Rend. Soc. Biol., Paris, v. 170 (4), 782-786

Crithidia luciliae, suspensions treated with 30 lectins of plant and fungus, agglutination, fixation upon membrane and flagella in relation to lectin structure; more precise knowledge of glucidic receptors on membranes; possible use of technique in identification, taxonomy and study of intracellular structures

Parasite surfaces

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Parasite surfaces

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Gregarina sp. from Udeopsylla nigra, scanning electron microscopy, patterns of epicytic folds in old vs. young gamonts, relationship to motility and development

Parasite surfaces

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Ascaris lumbricoides, culture in media with added glucose or hemoglobin, soluble protein and hemoglobin content of certain tissues, values for body wall most accurately reflect physiological state of parasite; Tyrode solution with 1.0 g glucose and 0.3 g pig hemoglobin per liter best medium for culture

Parasite surfaces

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Mesocestoides corti tetrathyridium, surface structure

Parasite surfaces

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Pastures
Gibson, T. E.; and Everett, G., 1976, Research Vet. Sc., v. 20 (2), 158-161
Nematodirus filicollis, development and survival of eggs placed on grass plots over a period of a year, extraordinary persistence of eggs and larvae under weather conditions of southern England makes control difficult

Pastures
Gibson, T. E.; and Everett, G., 1977, Brit. Vet. J., v. 133 (4), 360-364
Ostertagia circumcincta, lambs, different levels of larval intake to simulate seasonal pasture conditions, effect on fecal egg output, possible grazing management regimes to reduce worm infections

Pastures
Gibson, T. E.; and Everett, G., 1977, Brit. Vet. J., v. 133 (6), 559-563
Ostertagia circumcincta, sheep, pasture larval infection and fecal egg output lower in resistant animals (those with previous exper. infection and anthelmintic treatment), possible use of adult animals to graze contaminated paddocks as control measure

Pastures
Gibson, T. E.; and Everett, G., 1977, Research Vet. Sc., v. 23 (2), 191-195
Ostertagia circumcincta, lambs (exper.), contribution of residual pasture larvae and the spring rise as sources of infection, weather conditions as useful tool in predicting patterns of infection and most effective preventive measures

Pastures
Gibson, T. E.; and Parfitt, J. W., 1972, Research Vet. Sc., v. 13 (6), 529-535
Trichostrongylus colubriformis, lambs, increased ability to develop resistance with increasing age, importance of grazing management designed to reduce hazard of infection for young animals

Pastures
Goldberg, A., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 109-110
control of helminth parasitism, infectiousness of pastures, rested or grazed by resistant cattle

Pastures
Grelck, H.; Hoerchner, F.; and Woehrl, H. E., 1977, Prakt. Tierarzt, v. 58 (4), 265-268
strongyles, horses, seasonal development of infective larvae on pastures, survival rate

Pastures
Guarino, C.; and Rivellini, P., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 487-490
nematode larvae in grass samples from various types of pasture, degree of infestation: province of Avellino

Pastures
Helle, O.; and Tharaldsen, J., 1976, Vet. Parasitol., v. 1 (4), 345-357
Ostertagia ostertagi and Cooperia spp. in young cattle during their first grazing season, free-living stages overwintered in sufficient numbers to cause reduced weight gain and clinical disease in early spring, thiabendazole treatment and move to clean pasture improved weight gain: Norway

Pastures
Henriksen, Sv. Aa.; et al., 1976, Vet. Parasitol., v. 2 (3), 259-272
gastro-intestinal nematodes, young calves during first grazing season, infection levels, blood findings, body weight gains, comparison of animals grazing same pasture entire season with those moved in early July and between levamisole-treated and untreated animals: Denmark

Pastures
Henriksen, S. A.; Bentholm, B. R.; and Nielsen-Englyst, A., 1976, Nord. Vet.-Med., v. 28 (4-5) 201-209
gastro-intestinal strongyles, cattle, seasonal distribution on pastures

Pastures
Kutiavin, G. G., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 155-158
echinococcosis, livestock, dependence of epizootiology upon timing of grazing and slaughtering; suggested control measures: Moldavia

Pastures
Leinati, L.; Oberosler, R.; and Beber, L., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 479-481
Hypoderm[a], bovine, control, disinfestation of mountain pastures by calcium cyanamide and by grazing of poultry, increased weight gain by cattle

Pastures
Levine, N. D.; et al., 1975, Am. J. Vet. Research, v. 36 (10), 1459-1464
lambs grazing with their ewes under 2 pasture rotation systems, lambs under rotation had more nematodes and gained less weight than nonrotated control lambs, rotation is not recommended to control nematode parasitism of sheep in Illinois

Pastures
Lindberg, R., 1976, Svensk Vet.-Tidn., v. 28 (11), 509-514
horse strongylid eggs, longevity on grass plots when deposited early or late in grazing season or in winter, seasonal and climatic aspects, preliminary field study

Pastures
McLeod, C. C.; Wolff, J. E.; and Schwarz, G., 1976, N. Zealand J. Exper. Agric., v. 4 (2), 219-225
thiabendazole and selenium drenching, weaned Merino or halfbred ewe lambs, grazing on pasture or in paddocks with supplementary feeding, live-weight gain, wool weights: South Canterbury

Pastures
Mark, D. L., 1975, J. Parasitol., v. 61 (3), 484-488
Ancylostoma caninum, infective larvae, survival on outdoor bluegrass plots in 40 experiments over 1 year

Pastures
Michel, J. F., 1976, Advances Parasitol., v. 14, 355-397
nematode infections in grazing animals, epidemiology and control, extensive review: free-living stages (bionomics, transport); parasitic stages (population regulation, immunity, host differences, arrested development, post-parturient rise); parasitic gastro-enteritis in sheep and cattle; parasitic bronchitis in cattle

Pastures
Misra, S. C.; and Ruprah, N. S., 1974, Indian Vet. J., v. 51 (2), 147-148
Haemonchus larvae, survival on 2 pastures under changing temperature and relative humidity: India

Pastures
Mwegoha, W. M.; and Jørgensen, R. J., 1977, Acta Vet. Scand., v. 18 (3), 293-299
Haemonchus contortus, Ostertagia ostertagi, recovery of infective 3rd stage larvae by migration in agar gel, with and without addition of ox bile to agar gel, technique for recovery of larvae from field samples of pasture herbage

Pastures
Narsapur, V. S., 1977, Indian Vet. J., v. 54 (10), 856-858
monieziasis, sheep, goats, cattle, strategic anthelmintic treatment of entire flock or herd during prepeak population periods of oribatid mite intermediate hosts, prevention of pasture contamination

Pastures
Okon, E. D.; and Enyenihi, U. K., 1975, Bull. Office Internat. Epizoot., v. 83 (11-12), 1139-1144
Haemonchus contortus, Trichostrongylus colubriformis, lambs grazed on contaminated pastures, control by pasture rotation

Pastures
Presidente, P. J. A.; Knapp, S. E.; and Dean, R. E., 1973, J. Wildlife Dis., v. 9 (1), 34-40
Dictyocaulus viviparus, captive Odocoileus hemionus columbianus fawns, treatment with cambendazole vs. levamisole hydrochloride, survival and infectivity of larvae on contaminated pasture

Pastures
Qadir, A. N. M. A., 1976, Indian Vet. J., v. 53 (11), 855-858
gastrointestinal nematodes, goats and calves, urea for pasture control of free-living stages

Pastures
Ramajo Martin, V.; and Simon Vicente, F., 1975, Anuario Cent. Edafol. y Biol. Aplic. C.S.I.C., v. 1, 137-163
Trichostrongylidae, sheep, development on pastures, climatic factors: Salamanca

Pastures
Rickard, M. D.; White, J. B.; and Boddington, E. B., 1976, Austral. Vet. J., v. 52 (5), 209-214
oral challenge with Taenia ovis eggs using 3 levels of pasture contamination, lambs, immunization with T. ovis culture antigen prevented establishment of new cysticerci better than previous natural exposure but failed to stimulate complete immunological response, presence of T. hydatigena in lambs did not prevent subsequent infection with T. ovis

Pastures
Rivellini, P.; and Guarino, C., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 484-487
method for collecting parasite eggs and larvae from pasture grass

Pastures
Rizzoli-Stalder, C.; et al., 1976, Schweiz. Arch. Tierh., v. 118 (8), 341-345
gastrointestinal parasites, horses, two groups maintained on similar pastures, only one group receiving regular anthelmintic treatment, quantitative and qualitative study of egg production from fecal specimens

Pastures
Rizzoli-Stalder, C.; et al., 1976, Schweiz. Arch. Tierh., v. 118 (9), 367-375
gastrointestinal parasites, horses, influence of pasturing and deworming on infestation, two test groups, higher infestation in group receiving regular anthelminthic treatment probably due to high density of animals on pasture

Pastures
Rose, J. H., 1975, Research Vet. Sc., v. 18 (2), 175-177
Nematodirus helvetianus, eggs which survive on pastures throughout winter are able to transmit infection to calves turned on to pasture in early summer but such calves did not exhibit symptoms of clinical disease, concluded that such eggs are unlikely to be associated with disease outbreaks

Pastures
Schock, R. C., 1976, Mod. Vet. Pract., v. 57 (3), 181-184
gastrointestinal nematodes, cattle, level of parasitism, pasture conditions, nutrition and age of host, seasonal influences

Pastures
Southcott, W. H.; Major, G. W.; and Barger, I. A., 1976, Austral. J. Agric. Research, v. 27 (2), 277-286
sheep nematodes, seasonal pasture contamination, availability to infect grazing sheep, overwintering: Armidale, New South Wales

Pastures
Stuhrberg, E.; Nickel, S.; and Hiepe, T., 1975, Ang. Parasitol., v. 16 (3), 129-135
Dicrocoelium dendriticum, sheep (feces), incidence and intensity of infection, parasite limited to pastures with brownearth soil, egg output greatly varied during pasture season: Frankfurt/Oder district, German Democratic Republic

Pastures
Tharaldsen, J., 1976, Acta Vet. Scand., v. 17, Suppl. 61, 1-21
trichostrongylid infections, calves, survival of larvae on pasture, occurrence of larvae not influenced by artificial irrigation; treatment with thiabendazole did not effectively control infection due to overwintering larvae, neither improved weight gain nor reduced egg production: Norway

Pastures
Viljoen, J. H., 1969, Onderstepoort J. Vet. Research, v. 36 (2), 233-263
nematodes of sheep, epizootiology: seasonal incidence and worm burden in relation to temperature and rainfall at three sites, availability of live infective larvae on pasture, drenching recommendations: the Karroo

Pastures
Vlassoff, A., 1976, N. Zealand J. Exper. Agric., v. 4 (3), 281-284
trichostrongyle larvae on pasture, seasonal incidence, residual pasture infestation more important than ewes as source of infection for lambs in spring, autumn infections acquired from eggs passed by lambs themselves: New Zealand

Pastures
Williams, J. C.; and Bilkovich, F. R., 1973, Am. J. Vet. Research, v. 34 (10), 1337-1344
Ostertagia ostertagi, distribution of infective larvae on pasture herbage, rainfall and temperature: Louisiana

Pastures
Williams, J. C.; and Knox, J. W., 1976, Am. J. Vet. Research, v. 37 (4), 453-464
failure of stocker cattle to achieve projected weight gains at high stocking rates on Coastal bermudagrass pastures even with supplemental feeding and anthelmintic control of parasitism

Pastures
Zajicek, D.; and Kozdon, O., 1977, Veterinarstvi, v. 27 (6), 257-258
nematodes, sheep, relation of dehelminthization with pyrantel HCl, helmantac and nilverm to nematode incidence on pastures, three-year study, overall decrease

Pathogenesis. See Pathology.

Pathogenicity. [See also Infectivity]

Pathogenicity
Ajayi, J. A.; and Todd, A. C., 1973, Am. J. Vet. Research, v. 34 (3), 449-450
Haemonchus contortus, populations of differing pathogeniticy used to premunize and challenge sheep, ability to distinguish 2 worm populations in sheep exposed to both by separation in curve of distribution frequencies of parasite lengths

Pathogenicity
Al-Khateeb, G. H.; and Hansen, M. F., 1974, Avian Dis., v. 18 (4), 507-514
Histomonas meleagridis, turkeys and chickens (both exper.), plasma enzyme levels used to evaluate susceptibility according to breed and age of host, duration of infection in chickens, effect of route of inoculation, and effect on virulence of the age of in vitro subcultures

Pathogenicity
Alves, M. J. M.; and Colli, W., 1974, J. Protozool., v. 21 (4), 575-578
Trypanosoma cruzi, differential agglutination of epimastigotes vs. trypomastigotes by concanavalin A, results suggest differences in membrane structure between blood and culture forms which might be related to different pathogenic properties

Pathogenicity
Anderson, J.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 209-222
Onchocerca volvulus, survey of total populations aged 5 years and older in 16 villages of rain-forest and savanna zones, standard techniques used to assess intensity of infection, clinical manifestations; differences thought to be influenced by hormonal factors, strain pathogenicity, transmission patterns: United Cameroon Republic

Pathogenicity
Armstrong, E., 1976, Ztschr. Parasitenk., v. 48 (3-4), 275-280
Nosema kingi, longevity of Drosophila willistoni host, varied diets and age of host at time of infection; host susceptibility at various ages

Pathogenicity
Audebaud, G.; et al., 1975, Medecine et Malad. Infect., v. 5 (7), 391-397
Toxoplasma gondii, woman, fatal tumoral-like cerebral infection after childbirth, lack of pathogenicity in mice of isolated strain: France

Pathogenicity
Bajwa, R. S.; and Gill, B. S., 1977, Ann. Recherches Vet., v. 8 (2), 181-186
Eimeria tenella, progeny of irradiated oocysts, sporulation rate, pathogenicity, immunogenicity, reproductive potential, concluded that radiation effects are not transmissible to progeny

Pathogenicity
Baker, J. R.; and Taylor, A. E. R., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 471-485
Trypanosoma brucei brucei- and T. brucei rhodesiense-infected Pan troglodytes (exper.), course of infection, serologic relationships between trypanosome species and strains, blood changes, cerebrospinal fluid changes, post-mortem observations

Pathogenicity
Barnham, M., 1977, Lancet, London (8047), v. 2, 1077-1078 [Letter]
Chilomastix mesnili, possible pathogenicity in humans, resolution of diarrhea and parasite trophozoites in feces with metronidazole therapy

Pathogenicity
Beveridge, I.; and Barker, I. K., 1976, Austral. J. Zool., v. 24 (2), 265-272
helminths and arthropods, Antechinus stuartii, seasonal and sex-related variations in numbers of helminths, parasites unlikely directly involved in seasonal mortality of male host; ectoparasites may contribute to anemia in hosts: Powelltown, Victoria

Pathogenicity
Bird, R. G.; and McCaul, T. F., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 81-93
presence of rhabdoviruses in Entamoeba histolytica and E. invadens, possible role in pathogenicity

Pathogenicity
Boorman, G. A.; et al., 1973, Lab. Animal Sc., v. 23 (2), 187-193
Hexamita muris, Giardia muris, potentially pathogenic in newly weaned mice, causing enteritis and mortality in association with normal intestinal bacterial flora, quinacrine dihydrochloride not effective in reducing mortality, dimetridazole effective

Pathogenicity
Bos, H. J., 1975, Ztschr. Parasitenk., v. 47 (2), 119-129
Entamoeba histolytica, human, strains isolated from all 5 symptomatic cases but only 3 out of 10 asymptomatic carrier cases, axenic culture following monoxenic culture with Crithidia, media used; discussion of possible relationship between virulence of strain and ease of culture

Pathogenicity
Bos, H. J.; and van de Griend, R. J., 1977, Nature, London (5592), v. 265, 341-343
Entamoeba histolytica, lowered pathogenicity after axenic culture, restoration of virulence with cholesterol and establishment of higher degree of virulence by two successive passages through hamster liver, after hamster passage differences were observed in agglutinability induced by concanavalin A, in vitro toxicity towards guinea pig leukocytes, and antigenic analysis

Pathogenicity
Bos, H. J.; and van de Griend, R. J., 1977, Trop. and Geogr. Med., v. 29 (3), 315 [Abstract]
Entamoeba histolytica, cultured strains, cell surface characteristics probably related to pathogenic mechanisms

Pathogenicity
Bos, H. J.; and Hage, A. J., 1975, Ztschr. Parasitenk., v. 47 (2), 79-89
Entamoeba histolytica, virulent and carrier strains from humans, cultured axenically or with bacteria or Crithidia or passaged through hamster liver, varying virulence in experimental hamster liver infections

Pathogenicity
Box, E. D., 1977, J. Protozool., v. 24 (1), 57-67
Isospora serini and I. canaria, life cycles in Serinus canarius, endogenous stages, periodicity of oocyst discharge, patency and pathogenicity

Pathogenicity
Brocklesby, D. W.; Morzaria, S. P.; and Harradine, D. L., 1975, Tropenmed. u. Parasitol., v. 26 (3), 295-302
Theileria mutans in cattle (exper.), experimental transmission by Haemaphysalis punctata, only transstadial transmission occurred, and after 7 passages there was no evidence of increased virulence

Pathogenicity
Budilova, M.; and Kulda, J., 1977, J. Protozool., v. 24 (4), 49A [Abstract]
Tritrichomonas foetus, enhancement of virulence (infectivity + mortality) for mice by ferric ammonium citrate, indicates accessibility of iron in form utilizable by parasite as critical factor in infection

Pathogenicity
Canning, E. U.; and Madhavi, R., 1977, Parasitology, v. 75 (3), 293-300
Unikaryon allocreadii and Nosema gigantica spp. nov. hyperparasitizing Allocreadium fasciatusi in Aplocheilus melastigma, prevalence, hatching of spores, pathogenicity, possible mode of transmission: India

Pathogenicity
de Carneri, I.; and Trane, F., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 566-567
Giardia muris in SPF mice (exper.), lack of virulence and pathogenesis in strain maintained for 13 years in mouse colony

Pathogenicity
Chapman, H. D., 1974, Research Vet. Sc., v. 16 (1), 1-6
lambs under a husbandry system with crowded indoor housing, performance in 2 separate trials: growth during acquisition of natural mixed coccidial infections; pathogenicity of an artificial infection of primarily Eimeria ninakohlyakimovae, growth, blood changes

Pathogenicity
Chapman, H. D., 1976, Vet. Parasitol., v. 2 (2), 187-196
Eimeria tenella Houghton strain, chickens, monensin and lasalocid unable to completely control infection at 125 ppm, control achieved at higher levels but monensin was toxic, resistance could not be developed to either drug after 12 serial passages, however serial passage in presence of monensin resulted in increase in pathogenicity

Pathogenicity
Chappel, L. R., 1975, Avian Dis., v. 19 (4), 679-682
HmL1 strain of Histomonas meleagridis, chicks, pathogenicity; three 1,2-disubstituted 5-nitroimidazoles tested to demonstrate applicability of disease model to chemotherapy

Pathogenicity
Chung, H. L.; et al., 1975, Scientia Sinica, v. 18 (6), 785-814
Paragonimus hueitungensis sp. nov., life history, pathogenicity, case reports in children, transmission by raw or undercooked crabs

Pathogenicity
Dalgliesh, R. J.; and Stewart, N. P., 1977, Austral. Vet. J., v. 53 (4), 176-180
Babesia argentina, increased tolerance to imidocarb after repeated exposure, parasite virulence unaffected, exper.-infected nonsplenectomized calves

Pathogenicity
Das, S. R.; and Ghoshal, S., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 439-443
axenically grown Entamoeba histolytica, restoration of virulence to rats by exposure to cholesterol and by hamster liver passage

Pathogenicity
Davey, J. T.; et al., 1977, Parasitology, v. 75 (2), xxxv-xxxvi [Abstract]
Mytilicola intestinalis revealed to be harmless commensal of mussels rather than serious pest

Pathogenicity
Davidson, W. R.; and Calpin, J. P., 1976, J. Wildlife Dis., v. 12 (1), 72-76
Hepatozoon griseisciuri, location and pathogenicity of schizogonic stages, age and sex of host (gray squirrel), seasonal distribution, pathology: southeastern United States

Pathogenicity
De Jonckheere, J., 1977, Applied and Environment. Microbiol., v. 33 (4), 751-757
Naegleria fowleri, use of an axenic medium for differentiation between pathogenic and nonpathogenic isolates, data obtained on 102 Naegleria strains during extensive ecological study gave further evidence that thermal polluted waters are the main origin of N. fowleri in the environment

Pathogenicity
De Jonckheere, J.; and Van de Voorde, H., 1977, J. Protozool., v. 24 (2), 304-309
Naegleria, 6 strains compared in structure, indirect fluorescent antibody test, effect of temperature on growth rate, effect of amphotericin B and fumagillin, growth and cytopathic effect upon Vero cell cultures, and pathogenicity for mice, results demonstrate occurrence of nonpathogenic variants of N. fowleri

Pathogenicity
Desser, S. S.; and Ryckman, A. K., 1976, Canad. J. Zool., v. 54 (5), 634-643
Leucocytozoon simondi, development in captive Branta canadensis maxima, B. c. interior, and Anser domesticus exposed to natural infection on shores of Lake Sasajewan, Algonquin Park, Ontario, some anemia but no other pathology, no megaloschizonts or elongate gametocytes seen, identity confirmed by experimental infections of goslings and ducklings with gosling-derived sporozoites

Pathogenicity
Dey-Hazra, A., 1976, Ztschr. Parasitenk., v. 50 (2), 198
helminths, pigs, mode of pathogenicity, review

Pathogenicity
Diaz-Ungria, C., 1972, Bol. Soc. Venezolana Cien. Nat., Caracas (122-123), v. 29, 613-621
Trypanosoma vivax, Desowitz strain, susceptibility of rats and mice via intraperitoneal and subcutaneous routes, virulence for rodents after passage in Rhodnius prolixus and Musca domestica, susceptibility of sheep to this rodent strain, infection of rodents via gastric and buccal routes, indefinite preservation by freezing at -70°C.

Pathogenicity
Dohnalova, M.; and Kulda, J., 1975, J. Protozool., v. 22 (3), 61A [Abstract]
Tritrichomonas foetus, 19 strains, pathogenicity assayed on laboratory mice inoculated subcutaneously or intraperitoneally

Pathogenicity
Doran, D. J.; Vetterling, J. M.; and Augustine, P. C., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 77-80
Eimeria tenella, chickens, in vivo and in vitro comparison of Wisconsin, Weybridge, and Beltsville strains, pathogenicity, oocyst production, infectivity

Pathogenicity
Doube, B. M.; Kemp, D. H.; and Bird, P. E., 1977, Austral. Vet. J., v. 54 (1), 39-43
Ixodes holocyclus, calves, paralysis, pathogenicity, field collected and laboratory reared ticks, little difference between ticks from different geographic localities; site of attachment had no influence on tick toxicity

Pathogenicity
Dubey, J. P.; Christie, E.; and Pappas, P. W., 1977, J. Infect. Dis., v. 136 (3), 432-435
Toxoplasma gondii from feces of naturally infected cats, pathogenicity and infectivity of 7 strains of oocysts and cysts compared by infecting mice (exper.) orally and intraperitoneally; cross-immunity of all strains, cysts less pathogenic than oocysts

Pathogenicity
Duewel, D.; Sambeth, W.; and Bossaller, W., 1972, Parassitologia, v. 14 (1), 35-44
Fasciola hepatica, lambs, single experimental infections, pathogenicity as measured by weight gain, digestibility of nutrients, clinical-chemical changes and wool quality; substantial economic losses

Pathogenicity
Duncan, N., 1976, Mammal Rev., v. 6 (2), 63-74
Skrjabingylus nasicola, theoretical aspects of transmission to stoats and weasels based on laboratory study of food habits under conditions of food abundance and food shortage; extent of skull damage in weasels

Pathogenicity
Dunnebacke, T. H.; and Schuster, F. L., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 412-421
Naegleria spp., pathogenic and non-pathogenic strains, partial isolation and characterization of cytopathogenic material indicates that the material is protein or has a protein component

Pathogenicity
DuPont, H. L.; et al., 1976, N. England J. Med., v. 295 (27), 1520-1521
Entamoeba histolytica and Giardia lamblia classified as pathogens in survey of Latin American and United States students' susceptibility to travellers' diarrhea; repeated exposure to G. lamblia may not lead to protective immunity as parasite commonly found in symptomatic and asymptomatic persons: Mexico

Pathogenicity
Elsdon-Dew, R., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 265
Entamoeba histolytica, hypothesis that commensal amoebiasis becomes an invasive infection in the presence of a hyper-parasitic virus

Pathogenicity
Euzeby, J., 1977, Rev. Med. Vet., Toulouse, v. 128 (10), 1303-1316
ovine Eimeria, brief descriptions, life cycles, pathology, modes of infection, pathogenicity, recommended treatment for clinical coccidiosis, review

Pathogenicity
Feldman, M. R., 1977, Exper. Parasitol., v. 41 (2), 290-306
Naegleria fowleri, cytochemical assays using acid phosphatase and 3,3'-diaminobenzidine reveal extent to which lysosomes and heme proteins contribute to cytoarchitecture, data suggest that pathogen's rapid invasive behavior is result of availability of erythrocytes (primary source of nutriment) in host inflammatory reaction and combined mechanisms of enhanced extracellular destruction with subsequent phagocytosis

Pathogenicity
Fournier, A.; Vago, C.; and Combes, C., 1976, Ztschr. Parasitenk., v. 48 (3-4), 298 [Abstract]
Euzetrema knoepffleri, procaryote of bacterial type in cell cytoplasm, particularly gonads, possible pathogenicity

Pathogenicity
Fuller, G. K.; et al., 1976, Ann. Trop. Med. and Parasitol., v. 70 (2), 147-163
Leishmania donovani, human, epidemiologic skin test survey, endemic area, correlations with age, sex, occupation, parasite pathogenicity and host resistance: northwestern Ethiopia

Pathogenicity
Garner, A.; Duke, B. O. L.; and Anderson, J., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 385-396
Onchocerca volvulus, rabbits, comparison of lesions produced in cornea of eye by microfilariae of forest vs. Sudan-savanna strains from Cameroon, observations confirm greater pathogenicity of Sudan-savanna strain

Pathogenicity
Henry, J. E.; and Oma, E. A., 1974, Acrida, v. 3 (4), 223-231
Nosema locustae, N. acridophagus, N. cuneatum, virulence in Melanoplus bivittatus; N. locustae probably most useful for biological control

Pathogenicity
Henry, L.; and Beverley, J. K. A., 1976, Virchows Arch., B Cell Path., v. 20 (1), 55-69
Toxoplasma gondii, mice, response of reticuloendothelial system to infection, changes in lymph nodes, spleen, and thymus induced by low virulence strain are indicative of immunological response but high virulence strain apparently has direct toxic effect which precludes adequate immunological response thereby allowing unrestricted proliferation and eventual host death

Pathogenicity
Heydorn, A. O., 1977, Arch. Lebensmittel.-Hyg., v. 28 (1), 27-31
Sarcocystis bovihominis, S. bovicanis, exper. human infection from raw beef, minor symptoms; S. suihominis, exper. human infection from raw pork, severe symptoms, parasite pathogenic or toxic

Pathogenicity
Hysek, J.; Kalafa, S.; and Zizka, Z., 1975, J. Protozool., v. 22 (3), 63A [Abstract]
Trypanosoma rotatorium, not pathogenic for its cold-blooded host (frogs), causes fatal infections in a warm-blooded host (mice, exper.)

Pathogenicity
Hysek, J.; Kalafa, S.; and Zizka, Z., 1976, Arch. Protistenk., v. 118 (4), 341-345
Trypanosoma rotatorium (blood), successful experimental transmission from Rana esculenta and R. temporaria (poikilothermic) to white laboratory mice (homiothermic), pathogenicity, fatal infection; comparative morphology in frogs and mice

Pathogenicity
Insler, G. D.; and Roberts, L. S., 1976, Exper. Parasitol., v. 39 (3), 351-357
Hymenolepis diminuta, lack of pathogenicity in the healthy rat host, no difference in growth rate of infected vs. uninfected animals, "Since H. diminuta appears not to affect nutrient utilization or consumption in a healthy, unstressed host, at least on a gross level, it probably should be considered an endocommensal."

Pathogenicity
Ivey, M. H., 1975, J. Parasitol., v. 61 (3), 550-552
Trichomonas vaginalis, virulence assays of recent isolates at 3 weeks after isolation and again at 3 and 10 months after continuous cultivation or storage in liquid nitrogen, significant loss of virulence after prolonged in vitro culture, original virulence preserved for long periods by storage in liquid nitrogen

Pathogenicity
Jackson, O. F.; and Muller, T. A., 1976, Vet. Rec., v. 99 (19), 375-376
Ophiotaenia sp., lethal infestation, grass snake

Pathogenicity
Jadin, J.; Timperman, G.; and De Ruysser, F., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 235-237
pyrimethamine-resistant Plasmodium berghei virulent strains, variations in virulence and biological behavior after cryopreservation

Pathogenicity
Jadin, J. B.; and Willaert, E., 1972, Protistologica, v. 8 (1), 95-100
Naegleria gruberi, isolation from 3 human cases of primary amoebic meningo-encephalitis, characteristics different from Naegleria isolated in swimming pools or in nature, theory about process by which pathogenicity is acquired, suggestions for control in swimming pools; literature review of cases of primary amoebic meningo-encephalitis: Anvers, Belgique

Pathogenicity
Janssen, J. A. H. A.; and Wijers, D. J. B., 1974, Ann. Trop. Med. and Parasitol., v. 68 (1), 5-19
Trypanosoma simiae, correlation between virulence and transmitting species of Glossina: Kenya

Pathogenicity
Jeffers, T. K., 1975, J. Parasitol., v. 61 (6), 1083-1090
Eimeria tenella, attempt to genetically alter developmental rate in order to elucidate mechanisms controlling length of prepatent period, selection for precociousness was accompanied by attenuation, lack of pathogenicity apparently due to defective second-generation schizogony

Pathogenicity
Joyner, L. P., 1973, Folia Vet. Latina, v. 3 (1), 110-123
Eimeria adenoeides, Eimeria meleagrimitis, coccidiosis in turkeys, pathogenicity, age resistance, control, drug resistance, review

Pathogenicity
Kamionek, M.; and Sandner, H., 1977, Bull. Acad. Polon. Sc., Cl. II., s. Sc. Biol., v. 25 (4), 247-249
Neoaplectana carpocapsae in Sitophilus oryzae, Tribolium castaneum, and Trogoderma granarium (all exper.), increased pathogenicity when 2 insect species were placed together as compared to those kept singly

Pathogenicity
Kasprzak, W.; Mazur, T.; and Hadas, E., 1975, J. Protozool., v. 22 (3), 64A [Abstract]
Naegleria, strains pathogenic for mice isolated from fresh water lakes polluted thermally with effluents from industrial installation: [Poland ?]

Pathogenicity
Katsube, Y.; et al., 1975, Japan. J. Vet. Sc., Tokyo, v. 37 (3), 245-252
Toxoplasma, latent infection in swine grouped according to presence or absence of gross lesions of lymph nodes and liver, comparison of site of localization and virulence of isolated strains for mice

Pathogenicity
Kelly, J. D.; and Henderson, A. W. K., 1973, Trop. Animal Health and Prod., v. 5 (3), 192-195
Calicophoron calicophorum, probable pathogenicity and cause of poor productivity in Brahman x shorthorn cattle (gastro-intestestinal tracts): East Kimberley District, Western Australia

Pathogenicity
Kennedy, C. R.; and Lie, S. F., 1976, J. Fish Biol., v. 8 (4), 293-302
Eustrongylides sp., distribution, pathogenicity of larvae in fish host, preference for female fish and larger fish, little accumulation in older fish, no seasonal changes in infection levels nor pathological effects

Pathogenicity
Kiurtov, N., 1975, Vet. Med. Nauk., v. 12 (8), 60-66
coccidia, incidence, localization and pathogenicity in calves: Veliko Turnovo Okrug, Bulgaria

Pathogenicity
Kloetzel, K.; Pedroso, W.; and do Nascimento, E., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 165-166 [Letter]
Toxoplasma gondii and Trypanosoma cruzi (Brazil strain), mixed infections in experimental mice resulted in increased pathogenicity, application to epidemiologic surveys and variations in expected clinical patterns of infections

Pathogenicity
Koller, L. D.; Kistner, T. P.; and Hudkins, G. G., 1977, Am. J. Vet. Research, v. 38 (8), 1205-1209
Sarcocystis hemionilatrantis in Odocoileus hemionus hemionus fawns (tissue and perivascular spaces in skeletal and cardiac muscle; macrophages) (exper.), macroscopic and histopathological lesions

Pathogenicity
Kramar, J.; and Cerva, L., 1975, J. Protozool., v. 22 (3), 65A
Naegleria, differentiation of pathogenic from nonpathogenic strains by indirect fluorescent antibody test

Pathogenicity
Kreier, J. P.; and Gothe, R., 1976, Vet. Parasitol., v. 2 (1), 83-95
Aegyptianella, Eperythrozoon, Grahamella, Haemobartonella, morphology, host-parasite interactions, review

Pathogenicity
Kua-Eyre, S.-L.; and Honigberg, B. M., 1976, J. Protozool., v. 23 (2), 18A [Abstract]
Trichomonas vaginalis, 5 strains with different pathogenicity levels, antigenic analysis, some correlation seems to exist between antigenic composition and pathogenicity levels

Pathogenicity
Kulda, J.; Budilova, M.; and Dohnalova, M., 1977, J. Protozool., v. 24 (2), Suppl., 15A-16A [Abstract]
Tritrichomonas foetus, enhancement of virulence to mice by parenteral administration of ferric-ammonium citrate

Pathogenicity
Kulda, J.; Suchankova, E.; and Svoboda, S., 1974, Acta Vet. Brno, v. 43 (1), 53-64
Tetratrichomonas gallinarum, synonymy; axenic culture of 10 strains isolated from poultry, virulence determined by mouse assay did not reflect pathogenicity for turkey poults, results indicate T. gallinarum should not be considered serious pathogen; enterohepatitis caused by mixed infection with Histomonas meleagridis from contaminated culture

Pathogenicity
Kulda, J.; and Zavadova, H., 1975, J. Protozool., v. 22 (3), 65A-66A [Abstract]
high neuraminidase activity in Tritrichomonas foetus and T. suis, none in T. vaginalis, possible pathogenetic significance in T. foetus

Pathogenicity
Kuttler, K. L.; and Craig, T. M., 1975, Am. J. Vet. Research, v. 36 (3), 323-325
splenectomized calves inoculated with pooled blood samples from eastern Texas cattle developed dual infections of Anaplasma marginale and a Theileria resembling Theileria mutans, treatment with gloxazone and imidocarb selectively eliminated Anaplasma, pure Theileria infections only mildly pathogenic

Pathogenicity
Lastovica, A. J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 286-287 [Letter]
Naegleria amoebae, ultrastructural differentiation of pathogenic and non-pathogenic agents

Pathogenicity
Leeflang, P.; Buys, J.; and Blotkamp, C., 1976, Internat. J. Parasitol., v. 6 (5), 413-417
Trypanosoma vivax, mouse inoculation for diagnosis of infection in cattle, only early natural infections were capable of infecting mice, serial maintenance in mice did not change pathogenicity for ruminants

Pathogenicity
Locatelli, A.; and Simonic, T., 1974, Folia Vet. Latina, v. 4 (1), 43-70
Fasciola hepatica, short review of physiology, biochemistry, pathogenicity, immunology, and diagnosis (fecal examination, complement fixation, precipitation, haemagglutination, flocculation, and allergy tests, indirect immunofluorescence)

Pathogenicity
Long, P. L.; and Millard, B. J., 1975, J. Protozool., v. 22 (3), 53A [Abstract]
Eimeria tenella embryo-adapted strain, failure to regain pathogenicity for chickens after 62 embryo passages, single immunizing dose confers protection against pathogenic strain, successful infection of duck and quail embryos

Pathogenicity
McCully, R. M.; et al., 1975, Onderstepoort J. Vet. Research, v. 42 (4), 117-133
Hepatozoon sp. in wild carnivores and H. canis in dogs compared, location in host, developmental stages, lesions, pathogenesis; attempt to transmit Hepatozoon from jackal to dogs by means of Rhipicephalus sanguineus was inconclusive: South Africa

Pathogenicity
McDougald, L. R.; and Jeffers, T. K., 1976, J. Protozool., v. 23 (4), 530-534
Eimeria tenella precocious vs. normal strains, comparative development in vitro, pathogenicity attenuation and reduction of prepatent period in precocious strain clearly resulted from omission of portion of life cycle (2nd generation schizogony)

Pathogenicity
McGhee, R. B.; and Singh, S. D., 1974, J. Protozool., v. 21 (3), 422-423 [Abstract]
Plasmodium gallinaceum, adaptation sufficient to allow continuous maintenance in chicken embryos, selection toward virulence

Pathogenicity
McGhee, R. B.; Singh, S. D.; and Lushbaugh, W. B., 1977, Exper. Parasitol., v. 43 (1), 220-230
Plasmodium gallinaceum, changing virulence patterns during adaptation from neonate chick to chicken embryos

Pathogenicity
Maitra, S. C.; et al., 1976, Internat. J. Parasitol., v. 6 (6), 489-493
Naegleria aerobia, Hartmannella culbertsoni, comparison of ultrastructural characteristics in brain of mice with exper. primary amoebic meningoencephalitis, possible relationship of structure to pathogenicity

Pathogenicity
Martialay Valle, F., 1975, An. Inst. Invest. Vet., Madrid, v. 23, 1974-1975, 131-148
Eimeria bateri, pathogenic for one day old quails, little pathogenicity for quails more than 2 weeks old

Pathogenicity
Martinez-Palomo, A.; Gonzalez-Robles, A.; and de la Torre, M., 1973, Nature, London, N. Biol. (145), v. 245, 186-187
Entamoeba histolytica, selective agglutination of pathogenic strains induced by Con A

Pathogenicity
Mathur, S. C., 1976, Indian Vet. J., v. 53 (5), 331-336
parasitaemia and pathogenicity of 3 strains of Trypanosoma evansi maintained at various temperatures (4°C, 28°C, 35°C), mice

Pathogenicity
Mattern, C. F. T.; and Keister, D. B., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 393-401
axenically cultured Entamoeba histolytica in mice (brain) (exper.), pathology and pathogenicity of virulent and avirulent strains, variations in host response related to host age

Pathogenicity
Matthiesen, T.; Kunstyr, I.; and Tuch, K., 1976, Ztschr. Versuchstierk., v. 18 (3), 113-120
Hexamita muris infection in laboratory mice and hamsters, clinical and pathohistological findings, pathogenicity resulting from stress conditions

Pathogenicity
de Meuter, F.; Fameree, L.; and Cotteleer, C., 1975, J. Protozool., v. 22 (3), 78A-79A [Abstract]
Toxoplasma gondii virulent and avirulent strains, pregnant and nonpregnant sows (exper.), passage to piglets, variable behavior of strains

Pathogenicity
Miyata, A., 1976, Nettai Igaku (Trop. Med.), v. 18 (3), 113-124
Toxoplasma gondii, RH and Beverley strains, attempts to change virulence using antitoxoplasma drugs and steroids, variations in mouse (exper.) survival time

Pathogenicity
Moser, M.; and Love, M. S., 1975, J. Parasitol., v. 61 (3), 481-483
Henneguya sebasta sp. n. in rockfish (heart region), possible pathogenicity of economic importance to sport and commercial fisheries: Santa Barbara to Morro Bay, California

Pathogenicity
Nordin, G. L., 1976, J. Kansas Entom. Soc., v. 49 (1), 32-40
Malacosoma americanum eggs, decreased percentages of hatch and survival among Nosema-infected colonies, predisposal of infected larvae to other biotic and abiotic mortality factors: Kentucky

Pathogenicity
Norton, C. C.; and Hein, H. E., 1976, Parasitology, v. 72 (3), 345-354
Eimeria maxima, comparison of 3 strains (Weybridge, Houghton, and a fresh field isolate), oocyst measurements, pathogenicity, oocyst production, immunity to homologous not heterologous challenge, chickens

Pathogenicity
Otieno, L. H., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 856-869
Trypanosoma brucei, effect of irradiation or cyclophosphamide on course of infection in heat-stressed mice, reduced pathogenic effects in spite of elevated parasitemia, tempting to suggest that direct effect of temperature on trypanosomes was responsible for lowered pathogenicity, many bizarre morphological forms

Pathogenicity
Pettersen, E. K., 1977, Acta Path. et Microbiol. Scand., v. 85B (1), 95-102
Toxoplasma gondii, avirulent strain made virulent by mouse passage and then attenuated by storage, comparison of cyst-forming abilities in mice and rabbits, rabbits infected with attenuated parasites survived challenge with virulent parasites

Pathogenicity
Pfefferkorn, E. R.; and Pfefferkorn, L. C., 1976, Exper. Parasitol., v. 39 (3), 365-376
Toxoplasma gondii, chemical mutagenesis, selection of temperature-sensitive mutants, less virulent for mice than wild type RH strain

Pathogenicity
Phillips, B. P.; and Zierdt, C. H., 1976, Exper. Parasitol., v. 39 (3), 358-364
Blastocystis hominis, human, possibly cause of persistent diarrhea, production of similar symptoms in germfree guinea pigs which were inoculated with B. hominis and the enteric flora from symptomatic human patients

Pathogenicity
Phuc, D. V.; and Varga, I., 1975, Acta Vet., Budapest, v. 25 (2-3), 231-239
Amidostomum anseris, comparison of worm development and pathology in experimentally infected chickens and ducklings with those of goslings, stored larvae from ducklings proved infective to goslings and ducklings

Pathogenicity
Purnell, R. E.; et al., 1976, J. Comp. Path., v. 86 (4), 609-614
Babesia divergens, statistical comparison of isolates from England, Eire, Scotland and Wales with Weybridge strain, pathogenicity for splenectomized calves

Pathogenicity
Rao, V. G.; and Padma, M. C., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 606-616
Entamoeba histolytica in rats (exper.), strain variations in pathogenicity, pathology of lesions, role of host nutrition in pathogenesis

Pathogenicity
Rasin, K.; and Kovarik, K., 1973, Vet. Med., Praha, v. 46, v. 18 (10), 625-631
Toxoplasma, incidence in guinea pigs shown by complement fixation test, incidence by sex; isolation of 31 strains, low pathogenicity for mice

Pathogenicity
Reid, W. M.; and Johnson, J., 1974, Folia Vet. Latina, v. 4 (4), 585-602
Eimeria brunetti in chickens, severity of pathogenicity, lesion scoring and weight gains, economic losses, diagnostic techniques

Pathogenicity
Reikvam, A.; and Lorentzen-Styr, A. M., 1976, Nature, London (5560), v. 261, 508-509
Toxoplasma gondii, mice infected with Beverley strain and reinfected with RH strain, 14-18 months after challenge Toxoplasma with full virulence of RH strain could be isolated from some mice, in brains of others only immunizing (Beverley) strain could be found, implications for human infections

Pathogenicity
Ribeiro, R. D.; and Pereira Barretto, M., 1977, Rev. Brasil. Biol., v. 37 (1), 195-200
Trypanosoma cruzi strain isolated from Caluromys lanatus ochropus, pathogenic for mice, marsupial strain easily cultivated and has high infectivity for triatomines tested: Teofilo Otoni, M. G., Brazil

Pathogenicity
Roberts, C. O.; Chaparas, S. D.; and McLaughlin, D., 1976, J. Protozool., v. 23 (2), 34A [Abstract]
Toxoplasma gondii, mammalian and avian cell cultures tested to determine ability to support growth and plaque induction, inhibition of plaque formation by lincocin, sulfisoxazole, cleocin, and aureomycin and by antitoxoplasma antibody

Pathogenicity
Roberts, H. M.; Adams, J. W. E.; and Danks, B. C., 1976, Rhodesian Vet. J., v. 6 (4), 73-76
Gastrodiscus aegyptiacus, widespread occurrence, can be highly pathogenic, resorantel, oxyclozanide, rafoxanide, only first two drugs effective at levels used, horses: Rhodesia

Pathogenicity
Ross, G. W.; and Knight, R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 560-567
Entamoeba histolytica, dietary factors affecting pathogenicity in rats, effect of low protein and low protein-high carbohydrate diets, measurements of bacterial flora, pH, and redox potential

Pathogenicity
Rothenbacher, H. J.; and Bohl, M., 1975, Fisch u. Umwelt (1), 13-23
Hexamita salmonis, brief review of morphology, pathogenicity, diagnosis and therapy; trial of Enheptin, good results

Pathogenicity
Rudek, L., 1970, Acta Parasitol. Polon., v. 17 (20-38), 225-235
Heterakis gallinarum, chickens, various size doses, clinical course of disease, host weight gains, haemograph, pathomorphological changes, possible economic loss

Pathogenicity
Ryley, J. F.; and Robinson, T. E., 1976, Ztschr. Parasitenk., v. 50 (3), 257-275
Eimeria magna, rabbits, schizogony, gametogony, excystation of oocysts; mild pathogenic effects

Pathogenicity
Sandars, D. F.; and Bianchi, G. N., 1970, Med. J. Australia, v. 1 (6), 261-266
Entamoeba histolytica epidemic in institutionalized mental defectives, high associated incidence of Trichuris trichiura suggests it as factor contributing to Entamoeba's pathogenicity; comparative study of effectiveness of intestopan and humatin in treatment of amoebiasis: Queensland, Australia

Pathogenicity
Schmidt, L. H.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 612-622
Plasmodium knowlesi, differences in virulence for Macaca irus strains depending on their Philippine or Malayan origins, possible application to production of merozoite vaccines and evaluation of efficacy

Pathogenicity
Seaman, G. R.; et al., 1972, J. Protozool., v. 19 (4), 644-647
Tetrahymena pyriformis, pathogenicity of hemocoelomic injections of various concentrations into adult female Periplaneta americana, recoverability of ciliates into axenic cultures from infected insects, morphologic changes of ciliates after recovery and reestablishment in axenic culture

Pathogenicity
Sinclair, K. B.; and Prichard, R. K., 1975, Research Vet. Sc., v. 19 (2), 232-234
Haemonchus contortus, sheep, disophenol administered to sheep to prevent development of populations of adult worms and to study pathogenicity of arrested 4th-stage larvae which remained, concluded that they may cause damage to abomasal mucosa

Pathogenicity
Singh, N. B.; Tewari, H. C.; and Deo, P. G., 1975, Ceylon Vet. J., v. 23 (3-4), 61 [Letter]
Acuaria spiralis, poultry, histopathology, pathogenicity in proventriculus and gizzard

Pathogenicity
Soekardono, S.; Ernst, J. V.; and Benz, G. W., 1975, Vet. Parasitol., v. 1 (1), 19-33
Eimeria alabamensis, calves (exper.), prepatent and patent periods, low pathogenicity, description of oocyst, sporulation of oocysts at various temperatures

Pathogenicity
Soulsby, E. J. L., 1976, Pathophysiol. Parasit. Infect., 1-9
determinants of parasitism: factors in pathogenicity (factors determining host-parasite compatability; factors determining pathogenicity; survival of parasites in hosts), review

Pathogenicity
Southgate, V. R.; and Knowles, R. J., 1976, Parasitology, v. 73 (2), v-vi [Abstract]
Schistosoma margrebowiei, compatible with Bulinus tropicus group snails and B. truncatus and B. reticulatus groups, partially compatible with some B. forskali group, and incompatible with B. africanus group; course of infection and pathogenicity in hamsters; miracidium has epidermal cell formula of 6, 9, 4, and 3; haploid chromosome number is n = 8; isoelectric focusing of isoenzymes demonstrated interspecific differences from S. mattheei and S. leiperi

Pathogenicity
Stabler, R. M.; and Braun, C. E., 1975, J. Wildlife Dis., v. 11 (4), 482-483
Trichomonas gallinae, occurrence of virulent and avirulent strains, differential susceptibility of Columba spp., effect of previous infections with virulent or avirulent strains

Pathogenicity
Stadnichenko, A. P., 1977, Gidrobiol. Zhurnal, v. 13 (1), 117-124
trematode larval stages, pathogenic effect on freshwater molluscs

Pathogenicity
Stankiewicz, M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 147-159
Strongyloides papillosus, sheep, repeated infections with sheep and rabbit strains, egg production, hematocrit, body weight; lower pathogenicity of rabbit-adapted strains, high immunity produced by both strains

Pathogenicity
Stevens, A. R.; and Stein, S., 1977, J. Parasitol., v. 63 (1), 151-152
Acanthamoeba, Naegleria, pathogenic and nonpathogenic species (strains), susceptibility to lectin-induced agglutination

Pathogenicity
Stoimenov, K., 1976, Vet. Med. Nauki, v. 13 (7), 48-54
Heterakis gallinarum, chickens, parasite survival rate and pathogenicity increased by lower dose of infection and in 3-4 month old hosts; effects of blood factors; more female worms in older birds

Pathogenicity
Talis, B.; Stein, B.; and Gold, D., 1977, J. Protozool., v. 24 (2), Suppl., 18A-19A [Abstract]
hartmanelloid amoeba, invasiveness and antigenicity as compared to Entamoeba histolytica strains

Pathogenicity
Taranik, K. T., 1975, Visnik Sil's'kogospod. Nauki (7) (212), 101-102
Dictyocaulus filaria, pathogenicity studies of experimental bovine infections, light infections producing no clinical signs, heavy infections (50,000 larvae) producing pneumonia and emphysema

Pathogenicity
Taylor, M. G.; et al., 1977, J. Helminthol., v. 51 (4), 337-345
Schistosoma mattheei, modification of pathogenicity for sheep by passage in hamsters

Pathogenicity
Tompel, H.; Teras, J.; and Podar, U., 1975, Eesti NSV Teaduste Akad. Toimetised, Biol., v. 24 (3), 241-254
Trichomonas hominis interstrain virulence, effects of passage in vitro and in white mice

Pathogenicity
Toure, S. M., 1976, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 29 (1), 17-22
Trypanosoma (Nannomonas) congolense, 640 passages in mice during 10 years, biometrics, changes in morphology, no reduction in virulence

Pathogenicity
Toyos Aparicio, J. M., 1974, An. Fac. Vet. Leon, v. 20, 35-90
35 strains of Trichomonas vaginalis, taxonomy, morphology, culture, biochemistry, diagnosis, pathology, comparison of pathogenicity in natural and experimental infections, mice, no relationship observed between pathogeny and clinical picture

Pathogenicity
Trissl, D.; et al., 1977, J. Exper. Med., v. 145 (3), 652-665
Entamoeba spp., pathogenic strains show cell surface properties different from those of nonpathogenic strains as evidenced by concanavalin A-induced agglutination studies

Pathogenicity
Villegas-Gonzalez, J.; and Fastag de Shor, A., 1974, Bol. Med. Hosp. Inf., v. 31 (1), 35-49
Entamoeba histolytica, children, invasive amoebiasis, pathologic review of autopsies; comparison axenic and monoxenic cultures, multiple enzymes present, relationship between acid phosphatase and invasive capacity of parasite

Pathogenicity
Walliker, D., 1976, Symposia Brit. Soc. Parasitol., v. 14, 25-44
Plasmodium, genetic techniques (hybridization and cloning; genetic markers--enzyme polymorphism, drug-resistance, etc.), genetic recombination experiments, genetic factors influencing host-parasite relationships (strain-specific immunity; virulence), symposium presentation

Pathogenicity
Walliker, D.; et al., 1976, Parasitology, v. 72 (2), 183-194
Plasmodium yoelii yoelii, genetic basis of sudden appearance of virulence

Pathogenicity
Walliker, D.; and Sanderson, A., 1977, J. Protozool., v. 24 (4), 39A [Abstract]
Plasmodium yoelii yoelii, genetics of virulence

Pathogenicity
Watanabe, H., 1976, J. Invert. Path., v. 28 (3), 321-328
Nosema sp. of Spodoptera litura, morphology, life cycle and development, host range, pathogenicity, comparisons with other Nosema spp.

Pathogenicity
Werner, H., 1968, Bol. Chileno Parasitol., v. 23 (3-4), 95-98
Toxoplasma, strains of varying virulence, mouse mortality after oral vs. intraperitoneal infection, variation in dye-test titers in relation to cyclic development of parasite

Pathogenicity
Wessenberg, H., 1974, Perspect. Biol. and Med., v. 17 (2), 250-266
Entamoeba histolytica, possible role of heat stress in amoebic invasion of host tissues

Pathogenicity
Wheeldon, E. B.; and Greig, W. A., 1977, Vet. Rec., v. 100 (6), 102-104
Globidium leuckarti, horse, clinical signs, diarrhea, case report, pathogenicity reviewed: United Kingdom

Pathogenicity
Wille, H., 1976, Schweiz. Bienen-Ztg., v. 99 (10), 527-535
Nosema, bees, higher incidence correlated with decreased longevity, particularly in early months of the year, statistical analysis

Pathogenicity
Wong, M. M.; Karr, S. L., jr.; and Balamuth, W. B., 1975, J. Parasitol., v. 61 (4), 682-690
Acanthamoeba culbertsoni, susceptibility in Old World monkeys, no disease resulting from intranasal or intravenous inoculation, fatal meningoencephalitis in 4 of 7 monkeys inoculated intrathecally, virulence and pathogenicity vary with cultural age of inoculum, size of inoculum, passages through animal tissues, and host-immune competence

Pathogenicity
Wong, M. M.; Karr, S. L., jr.; and Chow, C. K., J. Parasitol., v. 63 (5), 872-878
Naegleria fowleri maintained in vitro, changes in virulence

Pathogenicity
Yoeli, M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 24-35
Plasmodium berghei yoelii in mice (exper.), promising model for study of cerebral malaria in man caused by P. falciparum (history, origin of virulent strain, pathology, enzyme differentiation, virulence expressed by mutation and genetic change)

Pathogenicity
Yoeli, M.; et al., 1975, Ann. Trop. Med. and Parasitol., v. 69 (2), 173-178
Plasmodium berghei yoelii strain 17X, sudden increase in virulence

Pathogenicity
Yoeli, M.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 4-5 [Demonstration]
Plasmodium berghei yoelii, virulent mutated strain, fulminating fatal cerebral infection in mice (exper.)

Pathogenicity
Yvore, P., 1974, Folia Vet. Latina, v. 4 (3), 408-425
intestinal coccidiosis (E. acervulina), caecal coccidiosis (E. tenella), comparison of nutritional effect in fowl, E. tenella causing insignificant losses, E. acervulina causing severe disease, interference with absorption

Pathogenicity
Zierdt, C. H.; and Tan, H. K., 1976, Ztschr. Parasitenk., v. 50 (3), 277-283
Blastocystis hominis, in vivo forms from fatal human case, ultrastructure and light microscopy, comparison with in vitro forms

Pathology. [See also Immunopathology; names of specific organs and organ systems]

Pathology
Basson, P. A.; et al., 1970, Onderstepoort J. Vet. Research, v. 37 (1), 11-28
parasitic and other diseases of Syncerus caffer, some pathological findings, age of host: Kruger National Park

Pathology
Drudge, J. H.; and Lyons, E. T., 1977, Cahiers Bleus Vet. (26), 231-239
helminths of horses, pathology: Kentucky

Pathology
Duflo, B., 1975, Medecine Interne, v. 10 (10), 447-453
human cardiac complications of tropical parasitoses, pathologic findings

Pathology
Ehrhardt, J. P., 1975, Medecine et Armees, v. 3 (2), 107-119
parasitic pathology found in natives of Polynesia, review

Pathology
Fossati, C., 1974, Rev. Iber. Parasitol., v. 34 (1-2), 103-128
human cardiopathies caused by protozoan or helminth parasites, clinical aspects, review

Pathology
George, R. R.; and Bolen, E. G., 1975, J. Wildlife Dis., v. 11 (1), 17-22
endoparasites of Dendrocygna autumnalis, prevalence higher in juveniles, pathology: Nueces County, southern Texas

Pathology
Herlich, H.; and Douvres, F. W., 1977, J. Dairy Sc., v. 60 (2), 283-288
parasitism and calfhood diseases, immunity, immunization, pathology, review

Pathology
Houba, V., 1976, Pathophysiol Parasit. Infect., 221-232
immunopathological mechanisms in parasitic disease, review (immune complexes; complement; autoimmunity; cell-mediated reactions; immunodepression)

Pathology
Jennings, F. W., 1976, Pathophysiol. Parasit. Infect., 41-67
anemia in parasitic infections, review

Pathology
King, N. W., jr., 1976, Scient. Publication (317). Pan Am. Health Organ., 169-198
protozoan and helminthic parasites contracted by New World monkeys in their natural habitats in Central and South America, pathology, review

Pathology
McConnell, E. E.; et al., 1974, Onderstepoort J. Vet. Research, v. 41 (3), 97-168
pathological and parasitological survey of 100 free-ranging Papio ursinus: Kruger National Park, Transvaal

Pathology
Maier, W. A., 1976, Ztschr. Parasitenk., v. 48 (3-4), 151-179
arthropod vectors of human parasites, pathology, defence, evolution of cycles and parasite-vector relationships, extensive theoretical review

Pathology
Malek, E. A., 1977, J. Invert. Path., v. 29 (1), 1-6
parasitism of mollusks as models for comparative pathology, review

Pathology
Michelson, E. H., 1975, Invert. Immun. (Maramorosch and Shope), 181-195
gastropod molluscs, cellular defense mechanisms and histopathologic alterations, review

Pathology
Nielsen, K., 1976, Pathophysiol. Parasit. Infect., 23-40
plasma protein metabolism in pathophysiology of parasitic infection, review

Pathology
Ohshima, K.; et al., 1976, J. Fac. Agric., Iwate Univ., v. 13 (2), 161-176
viral disease in cattle previously or concurrently having fascioliasis, dictyocaulosis, and/or piroplasmosis, histopathological study of mucosal lesions, differential diagnosis: Japan

Pathology
Otto, F.; and Koerting, W., 1973, Vet. Med. Rev. (2), 99-106
endoparasites, behavioral changes in infected rainbow trout, post mortem findings: fish farm, South Germany

Pathology
Pierotti, P., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 415-417
cow, parasitic pleural-pulmonary miliary nodules, pathology, unknown etiology: Italy

Pathology
Soulsby, E. J. L., 1976, Pathophysiol. Parasit. Infect., 1-9
determinants of parasitism: factors in pathogenicity (factors determining host-parasite compatability; factors determining pathogenicity; survival of parasites in hosts), review

Pathology
Symons, L. E. A., 1976, Pathophysiol. Parasit. Infect., 11-21
review of possible importance of malabsorption in pathophysiology of gastrointestinal parasitism, concluded rather that anorexia exacerbated by loss of serum proteins is most important pathophysiological response of host to gastrointestinal infection

Pathology
Vilde, J.-L., 1976, Path. Biol., v. 24 (2), 133-139
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Pathology, Acanthocephala
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Pathology, Arthropoda
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Unionicola intermedia on gills of Anodonta anatina, host response

Pathology, Arthropoda
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Unionicola intermedia, midgut caeca, contents, structure, function, relation to feeding activities of mite and tissue responses of its host (Anodonta anatina), parasite feeds on mucus and blood cells which are products of inflammatory response, parasite digestive enzymes are confined to intracellular vacuoles

Pathology, Arthropoda
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Pathology, Arthropoda
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Pathology, Arthropoda
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Myobia musculi, mouse breeding colony, dermatitis characterized by intense pruritus leading to self-mutilation and death, pathogenicity varies according to sex, age, mating ratios, sensitivity and strain of mice, dichlorvos + ronnel, good results

Pathology, Arthropoda
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10-year-old child with allergic and neurologic manifestations developing into eosinophilic meningitis, diagnosed by immunoelectrophoresis as Hypoderma lineatum, Mintezol treatment: from United States, extensive travel in France and Germany

Pathology, Arthropoda
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Pathology, Arthropoda
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Pathology, Arthropoda
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Pathology, Arthropoda
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Pathology, Arthropoda
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Pathology, Arthropoda
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Demodex canis, development of clinical signs of demodectic mange in beagle pups receiving mites and antilymphocyte serum, results indicate importance of cell-mediated response in immune defense against demodectic mange

Pathology, Arthropoda
Healey, M. C.; and Gaafar, S. M., 1977, Vet. Parasitol., v. 3 (2), 133-140
Demodex canis, dogs, immediate and delayed skin reactions to phytohemagglutinin and concanavalin A, suppression of delayed response suggests that dogs with demodicosis may have hypoactive cellular immune system, possible mechanism of immediate response

Pathology, Arthropoda
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Pathology, Arthropoda
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Pathology, Arthropoda
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Demodex ovis, sheep, measurements of larvae, nymphs and adults, histopathology, treatment with Hypocid, better success with Sulikol, sulfur compound, first cases reported in Czechoslovak Socialist Republic

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Pathology, Arthropoda
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Dermanyssus gallinae causing skin lesions in women employees of a building in which pigeons were nested, clinical aspects: Kielce, Poland

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epidemiology, diagnosis and treatment of furunculous lesions of tropical diseases, Trypanosoma cruzi, Leishmania tropica, Dermatobia hominis

Pathology, Arthropoda
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Argas persicus, larvae, feeding on chickens, histological studies, penetration by lysis, foreign body reaction, whole blood as diet throughout feeding, emigration of heterophils to surround mouthparts and mask them against foreign body reaction, example of adaptation tolerance; immunological response to salivary secretions not suppressed

Pathology, Arthropoda
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Pathology, Arthropoda
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Pathology, Arthropoda
Oppong, E. N. W.; Lee, R. P.; and Yasin, S. A., 1975, Ghana J. Sc., v. 15 (1), 39-43
Demodex ghanensis sp. nov., cattle, life cycle, pathology

Pathology, Arthropoda
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Pneumonyssus simicola in Macaca mulatta causing multiple bronchopleural fistulas and resultant tension pneumothorax, Oesophagostomum contributing to chronic debilitating condition, fatal outcome, case report

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Lucilia sericata, Calliphora vicina, C. vomitoria, cause of myiasis of guinea pigs in animal test center, pathological studies

Pathology, Arthropoda
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Oestromyia leporina, hatching, mode of infection of Microtus arvalis, larval development, migration within host, duration of larval stages, perforation of skin; partial immunization against new infection

Pathology, Arthropoda
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Pathology, Arthropoda
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Boophilus microplus larvae on cattle, cellular responses, degree of mast cell disruption, eosinophil concentration and degranulation and extent of epidermal vesiculation all greater in highly resistant hosts, possible immune mechanisms and effects on attachment and feeding

Pathology, Arthropoda
Sheahan, B. J., 1975, J. Comp. Path., v. 85 (1), 87-95
Sarcoptes scabiei, pigs, natural vs. experimental infections, histological and histochemical alterations in ear lesions, raised serum protein levels not accompanied by increases in passive haemagglutination titres

Pathology, Arthropoda
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Pathology, Arthropoda
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Pathology, Arthropoda
Weisbroth, S. H.; Friedman, S.; and Scher, S., 1976, Lab. Animal Sc., v. 26 (5), 725-735
Myobia musculi-infested Mus musculus in breeding colony, histopathology of skin lesions probably allergic in character, exacerbation of lesions following reinfection of sensitized mice, treatment with dichlorvos-impregnated plastic strips abolished lesions and improved breeding performance

Pathology, Arthropoda
Weisbroth, S. H.; Wang, R.; and Scher, S., 1973, Lab. Animal Sc., v. 23 (2), 241-247
Cuterebra buccata, natural infections of laboratory Oryctolagus cuniculus, gross and microscopic aspects of skin lesions, immediate and delayed hypersensitivity reactions to skin tests, detection of circulating precipitins by immunodiffusion tests

Pathology, Arthropoda
Young, E., 1975, J. South African Vet. Ass., v. 46 (4), 335-336
Linguatula spp., buffalo, lions

Pathology, Arthropoda
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Notoedres cati in Acinonyx jubatus, dermatitis crustosa (head, neck, ears, and other parts of body), treatment with malathion

Pathology, Cestoda
Alvarez Chacon, R.; Gaytan Bautista, E.; and de Leon, B., 1975, Bol. Med. Hosp. Inf., v. 32 (6), 1115-1122
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Pathology, Cestoda
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Pathology, Cestoda
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[Coenurus cerebralis], sheep, pathological findings after radical surgical removal of cysts from brain; discrepancy between lesions and post-surgical disappearance of clinical symptoms including normalization of EEG unexplained

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Pathology, Cestoda
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Pathology, Cestoda
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Pathology, Cestoda
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Pathology, Cestoda
Davtian, E. A.; Boiakhchian, G. A.; and Balaian, D. E., 1976, Biol. Zhurnal Armenii, v. 29 (7), 3-13
fascioliasis and cysticercosis, sheep, various aspects of pathogenesis (role of hypovitaminosis-A and mechanisms and dynamics of its origin, origin of vitamin E insufficiency, thyroid insufficiency, role of endogenous copper insufficiency, interaction of copper sulfate with vitamins A and E); possible use of copper sulfate as treatment

Pathology, Cestoda
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Anomotaenia brevis cysticercoids in Leptothorax nylanderi, mechanism of infection, localization, structure by light and electron microscopy, modifications in parasitized hosts (morphology and pigmentation; behavior and physiology; partial parasitic castration), changes may render more susceptible to ingestion by final hosts (birds)

Pathology, Cestoda
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Ligula intestinalis, high mortality of Tinca tinca, clinical, pathological and epizootiological observations: artificial lake, Sicilia Occidentale

Pathology, Cestoda
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Giardia infections alone or in combination with Strongyloides or Taenia solium, absorption studies before and after treatment

Pathology, Cestoda
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Fasciola hepatica, Hymenolepis nana, concurrent infestations in mice (exper.), pathology and variation in sequence and timing of infestations

Pathology, Cestoda
Gubaidulin, N. A., 1970, Parazitologiia, Leningrad, v. 4 (3), 219-222
Alveococcus multilocularis, comparative structure of cysts from muskrat and sheep, host tissue reaction

Pathology, Cestoda
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Echinococcus granulosus, factors in hydatid fluid can initiate non-immunologic activation of complement in normal serum and production of anaphylatoxins, this mechanism may be involved in pathogenesis of hydatid fluid shock syndrome and may also contribute to development of non-specific reactivity in immunodiagnostic skin tests for hydatid infection

Pathology, Cestoda
Hanna, L. S.; Abboud, I. A.; and Ragab, H. A. A., 1973, Bull. Ophth. Soc. Egypt, v. 66, 563-574
experimental ocular infections, hydatid fluid with scolices injected into anterior eye chamber of guinea pigs and vitreous of guinea pigs and hamsters, pathology of developing lesions, Taenia echinococcus

Pathology, Cestoda
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human echinococcosis of spinal column, pathology, case reports: Chile

Pathology, Cestoda
Hernandez-Jauregui, P. A.; Marquez-Monter, H.; and Sastre-Ortiz, S., 1973, Am. J. Vet. Research, v. 34 (3), 451-453
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Pathology, Cestoda
Hughes, J. T., 1974, Major Problems Path., v. 4, 122-131
general review of human trichinosis and cysticercosis, clinical findings, epidemiology, pathology

Pathology, Cestoda
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Bothriocephalus scorpii, external feature of scolex and strobila, attachment and pathology, segmentation, morphology and sequence of development of reproductive organs, pseudoapolysis, ultrastructure of tegument, ultrastructure and histology of scolex, sense organs, littoral fishes: Wales

Pathology, Cestoda
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cysticercosis affecting brain, spinal cord and muscles diagnosed in 1953 in soldier who served in India before World War II, twenty years later found to have severe damage to spine, bones, joints and muscles: Great Britain

Pathology, Cestoda
Leenstra, F.; Elgersma, A.; and Ruitenberg, E. J., 1977, Trop. and Geogr. Med., v. 29 (2), 206 [Abstract]
Trichinella spiralis, Hymenolepis diminuta, infected congenitally athymic mice and their thymus-bearing heterozygous littermates (exper.), immunologic reactions shown to be dependent on immune status of host whereas non-specific histopathologic changes were thymus-independent

Pathology, Cestoda
Marcial-Rojas, R. A., 1973, Liver (Gall), 431-465
hepatic parasitic diseases, humans, classification based on type and extension of pathologic changes, extensive pathologic review, highlights of epidemiology and parasitic life cycles

Pathology, Cestoda
Mayer, L. P.; and Pappas, P. W., 1976, Exper. Parasitol., v. 40 (1), 48-51
Hymenolepis microstoma, mice, increased metabolic rate during early stage of infection

Pathology, Cestoda
Miatello, V. R.; Zanetti, N. L.; and Miatello, V. R., hijo, 1974, Medicina, Buenos Aires, v. 34 (5), 532-538
excision of echinococcal pulmonary cyst in young girl resulted in disappearance of concurrent nephrotic syndrome, evidence supports immunological process of immune complexes or auto-antibodies as link between two disease processes

Pathology, Cestoda
Milazzo, A.; et al., 1973, Medicina, Madrid, v. 41 (11), 1059-1065
clinical aspects of human echinococcosis affecting bone structure

Pathology, Cestoda
Nadakal, A. M.; et al., 1973, Tr. Am. Micr. Soc., v. 92 (2), 273-276
Raillietina echinobothrida, new ant intermediate hosts, exper. infections in chickens revealed no effect of host age or infecting dose on prepatent period, histopathological changes, enteritis with granuloma formation

Pathology, Cestoda
Navarrete, F.; et al., 1974, Bol. Med. Hosp. Inf., v. 31 (1), 101-104
Taenia solium cysticercosis, young child, tongue, surgical removal, histopathology: Mexico

Pathology, Cestoda
Neira, M.; et al., 1968, Bol. Chileno Parasitol., v. 23 (1-2), 65-67
echinococcosis in children, symptoms, pathology, and cyst localization, analysis of 144 cases: Chile

Pathology, Cestoda
Oliver, D. F.; Jenkins, C. T.; and Walding, P., 1977, Vet. Rec., v. 101 (4), 80
Anoplocephala magna, duodenum rupture in colt, case report: England

Pathology, Cestoda
Opuni, E. K.; and Muller, R. L., 1975, J. Helminth., v. 49 (2), 121-127
Spirometra theileri, experimental plerocercoid infections of Macaca mulatta and mice, histopathology and immunopathology

Pathology, Cestoda
Pappas, P. W., 1976, Exper. Parasitol., v. 40 (3), 320-329
Hymenolepis microstoma, mice, attempted correlation of histopathological response and organ hypertrophy

Pathology, Cestoda
Pappas, P. W.; and Mayer, L. P., 1976, J. Parasitol., v. 62 (2), 329-332
Hymenolepis microstoma transplanted into uninfected recipient mice, evidence that ability to elicit histopathological host response and to migrate from small intestine to bile duct is not limited to young developing worms

Pathology, Cestoda
Pappas, P. W.; and Schroeder, L. L., 1977, J. Parasitol., v. 63 (4), 762-764
Hymenolepis microstoma, mice, biliary and intestinal pathology examined by scanning electron microscopy

Pathology, Cestoda
Peregudov, T. A.; and Il'iasov, I. N., 1975, Izvest. Akad. Nauk Tadzhiksk. SSR, Otdel. Biol. Nauk (60 (3)), 66-71
Raillietina echinobothrida, R. tetragona, pathomorphological changes in chickens

Pathology, Cestoda
Perria, C.; et al., 1971, Minerva Neurochir., v. 15 (2), 77-87
Multiceps multiceps in humans manifesting as cerebral coenurosis, clinical case reports, diagnosis, pathology, cyst histology: Italy

Pathology, Cestoda
Podesta, R. B.; and Mettrick, D. F., 1976, Canad. J. Zool., v. 54 (5), 694-703
lack of clinical manifestations in Hymenolepis diminuta-caused maldigestion and malabsorption in rats, determination of compensatory mechanisms including enhanced glucose- and bicarbonate-stimulated transport in infected small intestine, low mucosal permeability, and functional compensation by colon

Pathology, Cestoda
Podesta, R. B.; and Mettrick, D. F., 1977, Canad. J. Physiol. and Pharmacol., v. 55 (4), 791-803
Hymenolepis diminuta, infected or uninfected rats, glucose absorption in jejunum and proximal and distal ileum

Pathology, Cestoda
Podesta, R. B.; and Mettrick, D. F., 1977, Comp. Biochem. and Physiol., v. 57 (2A), 265-273
Hymenolepis diminuta-infected vs. uninfected rats, permeability of mucosa of different regions of small intestine to water, electrolytes, and glucose, results best explained by decrease in passive permeability of parasitized intestinal mucosa

Pathology, Cestoda
Pronina, S. V., 1977, Arkh. Anat., Gistol. i Embriol., v. 73 (7), 108-112
Triaenophorus nodulosus, Diphyllobothrium dendriticum, cytochemistry of labrocyte-like cells in capsules in fish host tissue surrounding plerocercoids

Pathology, Cestoda
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Pathology, Cestoda
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Echinococcus granulosus, incidence of cysts, histopathological changes of pulmonary tissue, cattle, buffalo: slaughterhouse, Bangalore city

Pathology, Cestoda
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Pathology, Cestoda
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human echinococcosis of quadriceps muscle, case report, clinical aspects, pathology, surgical treatment: Italy

Pathology, Cestoda
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Pathology, Cestoda
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Pathology, Cestoda
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cellular response of adult and larval Tenebrio to invading onchospheres of Hymenolepis diminuta

Pathology, Cestoda
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sequential reactions of host tissue to presence of echinococcosis cysts in tissue, 4 zones delineated

Pathology, Cestoda
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Pathology, Cestoda
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Taenia taeniaeformis, development of refractory responses in Mus musculus (White Swiss strain) from 10th to 100th day post-partum, gut and liver phases of infection compared histologically

Pathology, Cestoda
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Pathology, Miscellaneous phyla
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Pathology, Nematoda
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Capillaria aerophila, granulomatous lesion containing worm removed from lung of child presenting with asthmatic symptoms and eosinophilia, treatment with diethylcarbamazine and thiabendazole relieved symptoms, clinical case report, possible transmission through cat-contaminated play area: Teheran, Iran

Pathology, Nematoda
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Pathology, Nematoda
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Pathology, Nematoda
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Strongylus vulgaris, more adverse host reaction in parasite-free ponies than in ponies sensitized by previous natural infection, changes in serum glycoprotein patterns may be related to arterial damage associated with larval migrations

Pathology, Nematoda
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Onchocerca volvulus, survey of total population 5 years old and over in 22 village groups using standardized techniques to assess eye and skin lesions, comparison with persons not infected with onchocerciasis: United Cameroon Republic

Pathology, Nematoda
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Pathology, Nematoda
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Pathology, Nematoda
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Pathology, Nematoda
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onchocerciasis, human, clinical and pathological features with special reference to 'sowda', distribution of microfilariae: Yemen

Pathology, Nematoda
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Ostertagia circumcincta, sheep, repeated infections, food intake, total acid output of fundic pouches, pH of abomasal contents, plasma pepsinogen levels, effects reversed by thiabendazole treatment, secretory capacity of fundic pouches tested with pharmacologic agents and feeding

Pathology, Nematoda
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Pathology, Nematoda
Andy, J. J.; et al., 1977, Am. J. Med., v. 63 (5), 824-829
trichinosis, acute fatal infection in woman who at autopsy was found to have extensive ventricular endocardial damage with superimposed thrombosis, was known to have eaten raw meat frequently, clinical and morphologic report, review of other autopsies for other trichinosis-associated heart involvements

Pathology, Nematoda
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Pathology, Nematoda
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Ancylostoma braziliense, dogs and cats (both exper.), measurements of blood loss through gastrointestinal tract with finding that A. braziliense caused relatively insignificant loss in these animals

Pathology, Nematoda
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Trichuris suis, pathology of swine cecum and colon: slaughterhouses in Kagoshima and Miyazaki Prefectures

Pathology, Nematoda
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ascariasis, swine, pathology, biliary tract

Pathology, Nematoda
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Tetragomphius sp. in Meles meles anakuma, pathologic changes in pancreatic duct: Miyazaki Prefecture; Oita Prefecture

Pathology, Nematoda
Ashizawa, H.; et al., 1976, Bull. Fac. Agric. Univ. Miyazaki, v. 23 (2), 383-393
Tetragomphius sp. in Martes melampus melampus (pancreatic duct), mixed infection with small flukes (probably Concinnum ten), pathological changes: Miyazaki Prefecture

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clinical review of 100 cases of human cutaneous larva migrans, pathologic findings, body locations of lesions, medical management: Monrovia

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Pathology, Nematoda
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Pathology, Nematoda
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Pathology, Nematoda
Batte, E. G.; et al., 1977, Am. J. Vet. Research, v. 38 (7), 1075-1079
Trichuris suis, swine, clinical signs, scanning electron microscopy of intestinal mucosa, biochemical changes

Pathology, Nematoda
Batte, E. G.; McLamb, R. D.; and Vestal, T. J., 1976, Pathophysiol. Parasit. Infect., 69-73
Trichuris suis, pigs, clinical signs, hypoalbuminaemia, increase in serum alpha, beta, and gamma globulin, depressed serum calcium levels, no correlated changes in zinc levels, serum creatinine, SGPT, blood sugars, hemoglobin, bilirubin, or BUN

Pathology, Nematoda
Beckett, E. B., 1973, Ann. Trop. Med. and Parasitol., v. 67 (4), 455-466
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Pathology, Nematoda
Beckett, E. B., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 353-357
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Pathology, Nematoda
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Trichuris suis, weaned pigs (exper.), syndrome resembling swine dysentery, demonstration of spirochaetal invasion of colonic mucosa, possible significance of association of nematode and bacteria

Pathology, Nematoda
Benz, G. W.; and Ernst, J. V., 1976, Am. J. Vet. Research, v. 37 (8), 895-899
Cooperia punctata and/or Eimeria bovis-infected calves, reduced alkaline phosphatase activities in intestinal mucosa

Pathology, Nematoda
Beresky, M. A.; and Hall, D. W., 1977, J. Invert. Path., v. 29 (1), 74-80
Neoaplectana carpocapsae-infected Aedes aegypti larvae, phenylthiourea treatment reduced nematode encapsulation and melanization and mosquito mortality, possible explanations

Pathology, Nematoda
Beveridge, I.; and Barker, I. K., 1975, J. Helminth., v. 49 (4), 211-227
Stammerinema suffodiax sp. n., Capillaria rickardi sp. n., pathology

Pathology, Nematoda
Beveridge, I.; and Barker, I. K., 1975, J. Parasitol., v. 61 (3), 489-493
Nicollina antechini sp. n. in Antechinus stuartii (nasal cavity), pathology: Victoria, Australia (Powelltown; Mt. Sabine, Otway Ranges)

Pathology, Nematoda
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human intestinal parasites, analysis of signs and symptoms related to infections, extensive review

Pathology, Nematoda
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Anisakis sp. and Phocanema sp. in pigs (exper.) (stomach), gross and microscopic pathology

Pathology, Nematoda
Bier, J. W.; Jackson, G. J.; and Gerding, T. A., 1976, Tr. Am. Micr. Soc., v. 95 (2), 265 [Abstract]
Anisakis sp., Phocanema sp., blood analysis of experimentally infected pigs showed mild eosinophilia and increased levels of amylase, lactic dehydrogenase, and bilirubin

Pathology, Nematoda
Bigorie, B.; et al., 1976, Nouv. Presse Med., v. 5 (13), 853-855
Strongyloides stercoralis in woman with resulting digestive tract complications and malabsorption syndrome, thiabendazole, clinical case report: France, immigrant from Guadeloupe

Pathology, Nematoda
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Ascaris suum migrating larvae, pathogenesis of liver and lung lesions, differences in pigs vs. mice and young vs. old pigs

Pathology, Nematoda
Bosworth, W.; and Ewert, A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 21-25
Brugia malayi in cats (exper.), added infection of beta haemolytic streptococcus to hind leg regions resulted in elephantiasis, patterns of infections reversible with collateral lymphatic vessels developing

Pathology, Nematoda
Bosworth, W.; Ewert, A.; and Flores, A. E., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 255-259
Brugia malayi, cats (exper.), determination of antistreptolysin O titers in filariasis and comparison of titers in combined filariasis and streptococcal involvement, attempted correlation with observable pathology

Pathology, Nematoda
Braca, G.; and Arispici, M., 1974, Atti Soc. Ital. Sc. Vet., v. 28, 708-710
Dictyocaulus viviparus, pathology of parasitic bronchitis in cattle, possible relationships to non-parasitic respiratory infections

Pathology, Nematoda
Bradbury, S. M.; Percy, D. H.; and Strejan, G. H., 1974, Internat. Arch. Allergy and Applied Immunol., v. 46 (4), 498-511
Ascaris suum, rats infected with embryonated eggs, characteristic pathological changes in liver and lungs, eosinophilia, production of reaginic antibodies, purified Ascaris antigen (Asc-1) present in all stages of parasite life cycle and directly involved in stimulating reagin production during migratory phase of infection

Pathology, Nematoda
Breeze, R. G.; et al., 1975, Folia Vet. Latina, v. 5 (1), 95-128
Dictyocaulus viviparus, adult cattle, reinfection syndrome, respiratory distress, pulmonary lymphoid nodules: Britain

Pathology, Nematoda
Brine, J. A. S.; et al., 1971, Med. J. Australia, v. 2 (24), 1238-1241
woman, excised pulmonary lesion contained Dirofilaria immitis, case report: Western Australia

Pathology, Nematoda
Brown, R. J.; et al., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 599-601
Capillaria [sp.] causing hepatitis in the Indonesian house shrew, Suncus murinus: West Java

Pathology, Nematoda
Bryceson, A. D. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 397-399
Onchocerca volvulus in humans, evidence that host immune response underlies pathogenesis of infection and that variations in responses contribute to geographical differences in disease patterns

Pathology, Nematoda
Budden, F. H., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 484-491
Onchocerca volvulus, human ocular involvement, assessment of new eye lesions and progression of existing lesions 14-15 years after single course of suramin, comparison with control group shows slightly less deterioration in treated group and no latent effects of suramin therapy: Hawal Valley, Nigeria

Pathology, Nematoda
Bueno, L.; Dorchies, P.; and Ruckebusch, Y., 1976, Compt. Rend. Soc. Biol., Paris, v. 169 (6), 1975, 1627-1632
Trichostrongylus, lambs (exper.), disturbances in gastrointestinal motility preceding diarrhea, electromyographic analysis, effect of thiabendazole treatment

Pathology, Nematoda
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horses, chronic strongylosis, dysfunction of liver and adrenal cortex

Pathology, Nematoda
Bwangamoi, O., 1974, Bull. Epizoot. Dis. Africa, v. 22 (1), 55-68
Angiostrongylus vasorum, dogs, pathology

Pathology, Nematoda
Cantor, D. S.; et al., 1966, Bol. Chileno Parasitol., v. 21 (3), 70-76
Necator americanus, small bowel studies of humans with single and mixed parasitic infections to correlate pathology and fecal fat excretion: Argentina

Pathology, Nematoda
Carpenter, J. W.; Jordan, H. E.; and Ward, B. C., 1973, J. Wildlife Dis., v. 9 (2), 148-153
Parelaphostrongylus tenuis, Cervus canadensis (meninges and parenchyma of brain), clinical signs of neurologic disturbances, histopathologic lesions in CNS apparently related to nematode damage: Oklahoma

Pathology, Nematoda
Casarosa, L., 1976, Ann. Fac. Med. Vet., Univ. Pisa, v. 28, 1975, 53-63
Dictyocaulus filaria, guinea pigs (exper.), 3 increasing doses followed by challenge, histopathology of mesenteric and bronchial lymph nodes, trapped larvae surrounded by leucocytes and macrophages

Pathology, Nematoda
Castro, G. A.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (6), 848-853
intestinal parasites, rats, serum and antral gastrin levels, Trichinella spiralis associated with inflammatory changes in small bowel mucosa and with significant increase in serum gastrin, neither changes in hormone level nor inflammation induced by Hymenolepis diminuta, findings suggest that pathologic changes caused by enteric parasites may be due to changes in functions that are regulated by gastrointestinal hormones

Pathology, Nematoda
Castro, G. A.; et al., 1976, Gastroenterology, v. 71 (4), 620-625
Trichinella spiralis, increased propulsive activity in parasitized rats with associated inflammatory changes and a significant reduction in disaccharidase levels in gut mucosa

Pathology, Nematoda
Chand, B.; Ramachandran, M.; and Hussain, O. Z., 1977, Indian J. Exper. Biol., v. 15 (8), 667-668
Litomosoides carinii-infected albino rats, respiratory activity of liver, spleen, kidney, and lung tissues, results indicate severe damage to liver and spleen

Pathology, Nematoda
Chandrasoma, P. T.; and Mendis, K. N., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 644-649
Enterobius vermicularis in humans, case reports of parasite migration to ectopic sites with resulting granulomata and accompanying pathology, sex of parasite, relationship to area of migration

Pathology, Nematoda
Chari, S. S.; and Subramanian, G., 1972, Indian J. Animal Sc., v. 42 (11), 957-960
Toxocara canis, histopathological and histochemical changes in orally infected mice

Pathology, Nematoda
Chatterjee, A.; Das, S. K.; and Bhattacharyya, H. M., 1975, Indian J. Animal Health, v. 14 (2), 167-168
Metastrongylus apri, M. salmi, giant cell pneumonia, histopathology, pigs

Pathology, Nematoda
Chattopadhyay, S. K.; and Sharma, R. M., 1972, Indian J. Animal Sc., v. 42 (9), 698-705
Spirocerca sp., lesions in aortas of sheep and goats, pathological studies

Pathology, Nematoda
Chauhan, P. P. S.; et al., 1977, Indian J. Animal Sc., v. 44 (10), 1974, 801-804
Neoascaris vitulorum in albino rats and chickens (both exper.), migratory behaviour, histopathology

Pathology, Nematoda
Chauhan, P. P. S.; and Pande, B. P., 1972, Indian J. Animal Sc., v. 42 (10), 809-813
Onchocerca armillata in aortae, O. gutturosa in ligamentum nuchae, buffaloes, bullocks, histological study of lesions: abattoirs, Uttar Pradesh

Pathology, Nematoda
Chauhan, P. P. S.; and Pande, B. P., 1972, Indian J. Animal Sc., v. 42 (11), 930-934
Paracooperia nodulosa, buffalo calves, histopathology of nodules in host small intestine

Pathology, Nematoda
Chhabra, R. C.; and Singh, K. S., 1977, Indian J. Animal Sc., v. 47 (1), 42-47
Spirocerca lupi, pathological changes in stomach, aorta and oesophagus of dogs (exper.)

Pathology, Nematoda
Christie, R. W., 1977, N. England J. Med., v. 297 (13), 706-707
Dirofilaria tenuis infection in woman presenting as periorbital swelling and nodule over right eye, prevalence of mosquitoes and raccoons in area suggests raccoon-to-human transmission via mosquito vector: Holland, Vermont

Pathology, Nematoda
Church, E. M.; Wyand, D. S.; and Lein, D. H., 1975, Am. J. Vet. Research, v. 36 (3), 331-335
cerebrospinal nematodiasis, experimentally induced in Oryctolagus cuniculus with Ascaris columnaris, A. suum, or Toxocara canis, naturally occurring in Sylvilagus floridanus and O. cuniculus, clinical signs, gross and microscopic changes, duration of infection and parasite morphology and distribution in CNS, potential of rabbits as intermediate or paratenic hosts for ascarids of carnivorous origins

Pathology, Nematoda
Chuttani, H. K.; and Misra, R. C., 1975, Progr. Drug Research, v. 19, 44-47
Ancylostoma duodenale, humans, effects of parasitism on function and structure of host small bowel, review

Pathology, Nematoda
Clayton, H. M.; and Duncan, J. L., 1977, Research Vet. Sc., v. 23 (1), 109-114
Parascaris equorum, foals (exper.), clinical findings, haematological findings, parasitology, establishment of patency, pathology

Pathology, Nematoda
Condon, W. J.; and Gordon, R., 1977, Canad. J. Zool., v. 55 (4), 690-692
Mermis nigrescens in Locusta migratoria, hemolymph uric acid increased, fecal uric acid decreased, host protein turnover

Pathology, Nematoda
Condon, W. J.; and Gordon, R., 1977, J. Invert. Path., v. 29 (1), 56-62
Neomesomermis flumenalis, effects on neuroendocrine systems and storage of fat body glycogen in larval Prosimulium mixtum fuscum and Simulium venustum

Pathology, Nematoda
Coombs, D. W.; and Springer, M. D., 1974, J. Wildlife Dis., v. 10 (4), 436-441
Stephanurus dentatus, pathological changes in infected wild pigs: Aransas National Wildlife Refuge, southern Texas

Pathology, Nematoda
Coop, R. L.; Sykes, A. R.; and Angus, K. W., 1976, Parasitology, v. 73 (2), xxxii [Abstract]
Ostertagia circumcincta, lambs, subclinical infection, effect on food intake and utilization and skeletal growth

Pathology, Nematoda
Coop, R. L.; Sykes, A. R.; and Angus, K. W., 1976, Research Vet. Sc., v. 21 (3), 253-258
Trichostrongylus colubriformis, lambs, subclinical infection, reduced growth rate and food intake, hypophosphataemia, hypoalbuminaemia, hyperglobulinaemia; possible use of plasma constituents in diagnosis

Pathology, Nematoda
Coop, R. L.; Sykes, A. R.; and Angus, K. W., 1977, Research Vet. Sc., v. 23 (1), 76-83
Ostertagia circumcincta, sheep (exper.), continuous small infections, clinical observations, body weight and food intake, worm populations and faecal egg count, pathology, concentrations of serum constituents and assessment of their value in diagnosis of sub-clinical ostertagiasis

Pathology, Nematoda
Copland, J. W., 1975, J. Helminth., v. 49 (3), 187-190
Capillaria papuensis sp. nov. in Sus scrofa papuensis, pathological changes in infected epithelium of tongue: Papua New Guinea

Pathology, Nematoda
Cusick, P. K.; et al., 1976, J. Am. Animal Hosp. Ass., v. 12 (4), 490-491
Dirofilaria immitis, cat (brain, heart), neuropathologic changes, case history: Massachusetts

Pathology, Nematoda
Cypess, R. H.; et al., 1977, J. Med. Primatol., v. 6 (1), 23-32
Trichinella spiralis in Macaca mulatta (exper.), parasite distribution throughout muscular system, clinical and pathological changes, monkeys develop trichinosis which is clinically, pathologically and morphologically similar to human trichinosis

Pathology, Nematoda
Czerpak, R., 1970, Acta Parasitol. Polon., v. 17 (20-38), 285-292
Trichinella spiralis larvae, mice given goldthioglucose and vitamin A, oxygen uptake by diaphragm muscles, influence of host sex and age

Pathology, Nematoda
Daengsvang, S., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 63-70
Gnathostoma vietnamicum, morphology and morphometric measurements show variation of cephalic hooklet rows on the head bulbs and few body cuticular spines, gross pathology in naturally infected Aonyx cinerea (urinary system) and preliminary experimental life cycle in Mesocyclops leuckarti and Trichopsis vittatus: Thailand

Pathology, Nematoda
Dailey, M. D.; and Perrin, W. F., 1973, Fish. Bull., National Oceanic and Atmos. Admin., v. 71 (2), 455-471
Crassicauda-like [sp.], irreversible lesions in ventral skull region of Stenella graffmani, incidence related to age of host: eastern tropical Pacific

Pathology, Nematoda
Dargie, J. D., 1975, Symposia Brit. Soc. Parasitol., v. 13, 1-26
helminth diseases of sheep, red cell and plasma protein metabolism, anaemia, applications of radioisotopic methods, extensive review with particular emphasis on Fasciola hepatica and Haemonchus contortus

Pathology, Nematoda
Das, P. K.; Tripathy, S. B.; and Misra, S. K., 1977, Indian J. Animal Sc., v. 45 (8), 1975, 543-545
Stephanofilaria assamensis, cattle, pathoanatomy of skin

Pathology, Nematoda
Davidson, W. R., 1976, Proc. Helminth. Soc. Washington, v. 43 (2), 211-217
epizootiologic and pathologic study of endoparasites of selected populations of gray squirrels in southeastern United States

Pathology, Nematoda
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nematode infections of lymphatic system and blood vessels, pathology and pathophysiology, review

Pathology, Nematoda
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Brugia pahangi in cats (exper.), structural and functional changes in lymphatic system during infection

Pathology, Nematoda
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Timor filariasis, human, epidemiology, clinical manifestations, age and sex stratification of microfilaremia and symptoms: Ae Bubu, southeastern Flores, Southeast Indonesia

Pathology, Nematoda
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mixed gastro-intestinal nematode infections, calves, effects on host intestinal enzymes

Pathology, Nematoda
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Dirofilaria immitis, cats (exper.), microfilaremia, immediate skin hypersensitivity, cutaneous nodules, chylothorax, low adult worm recoveries, one successful mosquito passage from cat to dog

Pathology, Nematoda
Dondero, T. J., jr.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 64-73
Wuchereria bancrofti, human, type and frequency of clinical manifestations in an area of high intensity year round exposure, genitalia of males most commonly affected but in general little noticeable serious filarial disease: Howrah, near Calcutta, India

Pathology, Nematoda
Dondero, T. J., jr.; Ramachandran, C. P.; and bin Yusoff, O., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 503-515
Brugia malayi, clinical and pathological findings and statistics of persons infected with Malayan filariasis: West Malaysia

Pathology, Nematoda
Dotta, U.; et al., 1977, Clin. Vet., Milano, v. 100 (10), 685-696
Ostertagia ostertagi, calves (exper.), clinical manifestations and physiopathological observations

Pathology, Nematoda
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Tetrapetalonema marmosetae, histopathologic study of infection in Saguinus oedipus (blood vessels and connective tissues of lips, tongue, periodontium, dental pulp, salivary glands) kept as research colony by University of Texas Dental Science Institute

Pathology, Nematoda
Dubinsky, P.; Lestan, P.; and Rybos, M., 1976, Biologia, Bratislava, s. B, Zool. (4), v. 31 (11), 829-838
Ascaridia galli larvae, chickens fed with amino acid-deficient cereal diet, effect on components of blood serum

Pathology, Nematoda
Duke, B. O. L.; and Garner, A., 1975, Tropenmed. und Parasitol., v. 26 (4), 435-448
Onchocerca volvulus, rabbits (exper.) preimmunized with live or freeze-killed microfilariae and later challenged by subconjunctival inoculation of live microfilariae, severe ocular pathology resulted with live microfilariae, minimal reaction with killed; possible immunological bearing on human infection

Pathology, Nematoda
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Pathology, Nematoda
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microfilariae in cerebrospinal fluid of patients heavily infected with Onchocerca volvulus and resulting neurological complications, association between these complications and diethylcarbamazine therapy, implications for treatment programs with diethylcarbamazine and/or suramin: northern Cameroon

Pathology, Nematoda
Duncan, J. L.; and Pirie, H. M., 1975, Research Vet. Sc., v. 18 (1), 82-93
Strongylus vulgaris, single experimental infections of worm-free pony foals, clinical signs, pathology (intestinal and arterial lesions), and clinical pathology (haematology, serum proteins)

Pathology, Nematoda
Durham, P. J. K.; and Elliott, D. C., 1976, Vet. Parasitol., v. 2 (2), 157-166
Ostertagia spp., sheep (exper.), development of worm populations and lesions at different larval dose-levels and at different times following infection

Pathology, Nematoda
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Stephanurus dentatus, pigs, relationship between incidence and zoohygienic conditions, pathology, economic importance, suggested control measures: Cuba

Pathology, Nematoda
El-Abdin, Y. Z.; et al., 1975, Egypt. J. Vet. Sc., v. 12 (1), 31-43
serum constituents and serum enzyme activities, normal and nematode infested Camelus dromedarius: Cairo abattoir

Pathology, Nematoda
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Neoascaris vitulorum, buffalo calves, blood picture, biochemical blood constituents, enzyme activities, before and after treatment with Concurat

Pathology, Nematoda
Elbihari, S.; and Hussein, M. F., 1973, J. Wildlife Dis., v. 9 (2), 171-173
Ophidascaris filaria, Python sebae (stomach), associated granulomatous pre-neoplastic gastric lesions: Sudan

Pathology, Nematoda
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Ostertagia spp., challenge infections in previously exposed sheep (exper.), greatly reduced worm numbers, rate of worm development, and pathological effects when compared to infections in previously worm-free animals

Pathology, Nematoda
Enigk, K.; Dey-Hazra, A.; and Eduardo, S. L., 1976, J. Comp. Path., v. 86 (2), 243-250
Strongyloides ransomi, pathogenesis in pigs, activity of disaccharidases and dipeptidases of intestinal mucosa during mild and severe infections

Pathology, Nematoda
Enigk, K.; Feder, H.; and Dey-Hazra, A., 1976, Tropenmed. u. Parasitol., v. 27 (1), 57-69
mineral contents of blood and chemical composition of muscles of Trichinella spiralis-infected pigs, comparison with normal controls

Pathology, Nematoda
Farris, K. N.; and Harley, J. P., 1977, Exper. Parasitol., v. 41 (1), 17-30
Trichinella spiralis-infected mice, alteration of gastrocnemius muscle kinetics, correlation with known morphological, biochemical, and histochemical changes

Pathology, Nematoda
Ferencz, A.; et al., 1972, Orvosi Hetilap, v. 113 (52), 3194-3196, 3199
human trichinosis, electrocardiographic changes during infection

Pathology, Nematoda
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intestinal histopathology as ascertained by oral biopsies, common human intestinal parasites

Pathology, Nematoda
Finazzi, M.; Lattanzio, G.; and Malnati, G., 1977, Clin. Vet., Milano, v. 100 (1), 23-31
Habronema sp., stallion (prepuce, glans), histopathology, nodules surrounded by hyperplastic connective tissue

Pathology, Nematoda
Ford, G. E., 1976, Pathophysiol. Parasit. Infect., 83-97
trichostrongylid parasitism of ruminants (with emphasis on Ostertagia in cattle), blood pepsinogen estimations: seasonal variation in relation to climate; clinical significance (diagnosis, pathogenesis, response to anthelmintic treatment); parasitological significance; production significance; review

Pathology, Nematoda
Forrester, D. J.; Taylor, W. J.; and Nair, K. P. C., 1974, J. Wildlife Dis., v. 10 (1), 11-17
strongyloidosis in captive Odocoileus virginianus fawns, high mortality, transmission strongly presumed to be intrauterine, effective control by removal from does after 2 days of age and thiabendazole treatment; possible implications for wild deer populations: Florida

Pathology, Nematoda
Fosella, P. V.; et al., 1974, Atti Soc. Ital. Sc. Vet., v. 28, 858-862
Toxocara canis, infected white mice, electrocardiographic changes related to microascaridic pneumonia and localization of larva in myocardium, verified histologically

Pathology, Nematoda
Fox, J. G.; et al., 1974, J. Wildlife Dis., v. 10 (1), 66-69
Streptocara incognita in Phoenicopterus chilensis causing severe debilitative condition and eventual death, gross and histopathological findings: San Francisco Zoological Gardens

Pathology, Nematoda
Frackowiak, B.; et al., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 21-25
Strongyloides papillosus, sheep, repeated infections, weekly or semiweekly intervals, serum transaminase activity during course of infection, possible relation to pathological damage by parasite

Pathology, Nematoda
Fuglsang, H.; Anderson, J.; and Marshall, T. F. de C., 1976, Tropenmed. u. Parasitol., v. 27 (3), 355-364
Onchocerca volvulus in humans, comparative survey of natives of rain-forest and savannah areas for presence of head nodules containing adult worms, possible associations between presence of nodules and ocular onchocerciasis: Cameroon

Pathology, Nematoda
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dog heartworm causing embolism in venae cavae, clinical signs, pathology, surgical treatment

Pathology, Nematoda
Gabryel, P.; and Gustowska, L., 1970, Patol. Polska, v. 21 (1), 55-67
human trichinosis, morphologic and histochemical analysis of pathologic changes in diagnostic muscle biopsy material

Pathology, Nematoda
Gallego, J.; and Mas-Coma, S., [1976], Vie et Milieu, s. C, Biol. Terr., v. 25 (2), 1975, 237-248
Capillaria garfiai n. sp. in Sus scrofa (mucous membrane of tongue)

Pathology, Nematoda
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Strongyloides stercoralis, humans, results of study of intestinal function and morphology in strongyloidiasis show that associated malabsorption syndrome is secondary to concomitant malnutrition and not to the parasite per se

Pathology, Nematoda
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Dirofilaria immitis, microfilariae, dogs, biochemical lesions, pathology, treatment, toxic phenomena, blood serum chemistry, additive effects, review

Pathology, Nematoda
Garner, A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 374-377
Onchocerca volvulus, pathology of ocular infections in humans and experimental rabbits, granulomatous lesions resulting from direct microfilarial invasion and inflammatory lesions a probable response to free microfilarial antigens, review of current research

Pathology, Nematoda
Garner, A.; and Duke, B. O. L., 1976, Tropenmed. u. Parasitol., v. 27 (1), 19-29
Onchocerca volvulus, rabbits, fundus lesions following inoculation of microfilariae into posterior segment of eye

Pathology, Nematoda
Garner, A.; Duke, B. O. L.; and Anderson, J., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 385-396
Onchocerca volvulus, rabbits, comparison of lesions produced in cornea of eye by microfilariae of forest vs. Sudan-savanna strains from Cameroon, observations confirm greater pathogenicity of Sudan-savanna strain

Pathology, Nematoda
Georgi, J. R.; et al., 1976, Cornell Vet., v. 66 (3), 309-323
Filaroides hirthi, life history in beagles, occurrence as function of age, intermediate or alternate definitive hosts not found, levamisole not effective: commercial breeding establishment, North Rose, Wayne County, New York

Pathology, Nematoda
Georgi, J. R.; Whitlock, R. H.; and Flinton, J. H., 1972, Cornell Vet., v. 62 (1), 58-60
Trichuris discolor, heifer (feces, colon), fatal infection, case report

Pathology, Nematoda
Georgieva, D.; and Vladimirova, A., 1975, Vet. Med. Nauk., v. 12 (9), 61-65
Haemonchus contortus, lambs, drop in albumin and rise in globulin fractions

Pathology, Nematoda
Gheorghescu, P.; et al., 1976, Med. Interne, Bucarest, v. 14 (1), 31-38
Giardia infections alone or in combination with Strongyloides or Taenia solium, absorption studies before and after treatment

Pathology, Nematoda
Gherman, I.; et al., 1970, Med. Int., Bucuresti, v. 22 (3), 335-344
giardiasis, Strongyloides stercoralis, attempt to establish parasitic duodenitis as a clinical entity

Pathology, Nematoda
Ghosh, S. S.; et al., 1976, Indian J. Animal Health, v. 15 (1), 81-82
Haemonchus contortus, goats, high mortality rate, histopathology: Union Territory of Mizoram

Pathology, Nematoda
Gibson, D. W.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 74-87
Onchocerca volvulus, humans with severe onchocercal dermatitis, ultrastructure of microfilariae and host skin tissues before and after diethylcarbamazine treatment: Cameroon

Pathology, Nematoda
Gilman, R. H.; Davis, C.; and Fitzgerald, F., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 313-316
Trichuris infection and amoebic dysentery in Orang Asli aborigine children, comparison of two diseases, results support hypothesis that heavy Trichuris infection itself is responsible for a symptom complex: Malaysia

Pathology, Nematoda
Graber, M.; and Turpin, M., 1976, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 29 (1), 23-30
Agriostomum vryburgi, description, localization, pathological effects
N'Dama cattle (colon): imported from Senegal, reared in Louila Ranch (Popular Congo Republic)

Pathology, Nematoda
Griner, L. A.; et al., 1977, Vet. Path., v. 14 (6), 582-590
Heterakis isolonche in gallinaceous birds, cecal nodular granulomas, pathology, case reports: San Diego Zoological Garden

Pathology, Nematoda
Grove, D. I.; Hamburger, J.; and Warren, K. S., 1977, J. Infect. Dis., v. 136 (4), 562-570
Trichinella spiralis, kinetics of infection in mice (exper.), immunologic responses, resistance to reinfections, pathology

Pathology, Nematoda
Guerrero, C. A.; et al., 1973, Rev. Invest. Pecuarias, v. 2 (1), 29-42
Lamanema chavezi, Lama pacos, liver and intestine, pathology; enterohepatic life cycle

Pathology, Nematoda
Gupta, G. C.; Joshi, B. P.; and Rai, P., 1976, Indian Vet. J., v. 53 (6), 438-441
Neoascaris vitulorum, buffalo calves, pathogenesis, biochemical alterations in host blood suggest severe hepatic insufficiency

Pathology, Nematoda
Guttekova, A.; and Zmoray, I., 1977, Biologia, Bratislava, s. B, Zool. (2), v. 32 (5), 351-361
Bunostomum trigonocephalum, ultrastructure of intestinal cells; probably not haematophage, host anemia probably results from injuries to host gut followed by blood loss

Pathology, Nematoda
Hall, G. A.; Rutter, J. M.; and Beer, R. J. S., 1976, J. Comp. Path., v. 86 (2), 285-292
Trichuris suis, sequential development of large intestinal lesions in piglets (conventionally reared vs. specific-pathogen-free vs. gnotobiotic) studied histologically, synergistic effect of T. suis and bacterial flora in disease process

Pathology, Nematoda
Hanna, L. S.; Abboud, I. A.; and Ragab, H. A. A., 1973, Bull. Ophth. Soc. Egypt, v. 66, 575-586
Onchocerca caecutiens living and dead microfilariae injected sub-conjunctivally and into anterior chamber of hamster and guinea pigs, pathology of developing lesions

Pathology, Nematoda
Hart, R. J.; and Wagner, A. M., 1971, Onderstepoort J. Vet. Research, v. 38 (2), 111-116
Gaigeria pachyscelis, sheep (exper.), pathological physiology (macrocytic normochromic anaemia, hypoproteinaemia, hypocalcaemia, hyperglycaemia, eosinophilia); some fatalities, due primarily to loss of blood

Pathology, Nematoda
Hayden, D. W.; and Van Kruiningen, H. J., 1973, J. Am. Vet. Med. Ass., v. 162 (5), 379-384
dogs, eosinophilic gastroenteritis occurring simultaneously with visceral larva migrans and manifesting as chronic diarrhea, clinico- and histopathology, case reports, nematode larvae found in lesions of 3 of 5 cases, identified as Toxocara canis in 1

Pathology, Nematoda
Hayden, D. W.; and Van Kruiningen, H. J., 1975, Am. J. Vet. Res., v. 36 (11), 1605-1614
Toxocara canis, dogs (exper.), eosinophilic gastroenteritis, hematologic findings, serum proteins (β-globulin content as potential diagnostic tool), precipitating humoral antibodies, intradermal test, histopathology, comparison with naturally occurring disease

Pathology, Nematoda
Hennessy, D. R.; Prichard, R. K.; and Griffiths, D. A., 1977, Exper. and Molecular Path., v. 27 (2), 143-151
Trichostrongylus colubriformis-infected sheep, thyroxine and thyroxine-binding proteins

Pathology, Nematoda
Henriksen, Sv. Aa.; et al., 1976, Vet. Parasitol., v. 2 (3), 259-272
gastro-intestinal nematodes, young calves during first grazing season, infection levels, blood findings, body weight gains, comparison of animals grazing same pasture entire season with those moved in early July and between levamisole-treated and untreated animals: Denmark

Pathology, Nematoda
Hernandez-Rodriguez, S.; et al., 1975, Rev. Iber. Parasitol., v. 35 (3-4), 367-371
Cyathostoma bronchialis, lesions and localization in Anser anser (traquea y bronquios): Parque Zoologico "Juan Barasona" de Cordoba, Espana

Pathology, Nematoda
Hibler, C. P.; and Metzger, C. J., 1974, J. Wildlife Dis., v. 10 (4), 361-369
Elaeophora schneideri, morphology and development of larval stages in horse flies and Odocoileus hemionus, pathogenesis in abnormal definitive hosts (Cervus canadensis, Ovis aries)

Pathology, Nematoda
Horton, G. M. J.; et al., 1977, J. South African Vet. Ass., v. 48 (2), 99-103
Trichostrongylus colubriformis, lambs (exper.), effect of host diet low in selenium as compared to diets supplemented with vitamin E and selenium, pathology, haematological changes, serum enzyme changes

Pathology, Nematoda
Hughes, J. T., 1974, Major Problems Path., v. 4, 122-131
general review of human trichinosis and cysticercosis, clinical findings, epidemiology, pathology

Pathology, Nematoda
Huizinga, H. W.; Cosgrove, G. E.; and Sturrock, R. F., 1976, J. Wildlife Dis., v. 12 (1), 93-96
Capillaria sp. in Herpestes auropunctatus, kidney pathology: St. Lucia, West Indies

Pathology, Nematoda
Hurwitz, S.; Shamir, N.; and Bar, A., 1973, Isotopes and Radiation Parasitol. III, 61-65
Ascaridia galli-infected chicks, absorption and digestion of protein and absorption of phosphate from intestine

Pathology, Nematoda
Huxtable, C. R.; and Rothwell, T. L. W., 1975, Austral. J. Exper. Biol. and Med. Sc., v. 53 (6), 437-445
Trichostrongylus colubriformis, guinea pig small intestinal mucosa, basophils and eosinophils at site of infection, ultrastructural changes as compared with bone marrow and buffy coat cells

Pathology, Nematoda
Inglessis, G., 1973, Arch. Inst. Cardiol. Mexico, v. 43 (1), 87-101
Necator [americanus] in children, evidence of cardiac pathology associated with parasitic anemia, reversal of symptoms when anemia treated: Venezuela

Pathology, Nematoda
Irwin, J. C., 1975, J. Wildlife Dis., v. 11 (1), 8-12
Sarconema eurycerca causing mortality in Olor columbianus, pathology: Lake St. Clair, Ontario

Pathology, Nematoda
Ishihara, K.; et al., 1977, Japan. J. Vet. Sc., v. 39 (3), 255-264
dirofilariasis, canine, serum lipoproteins in relation to stage and intensity of infection, possible clinical and diagnostic value

Pathology, Nematoda
Jablonowski, Z., 1970, Acta Parasitol. Polon., v. 17 (20-38), 271-284
Ascaris suum, guinea pigs, vitamin C-deficient diet, haemogram level, serum total protein and protein fractions, vitamin C content of various organs

Pathology, Nematoda
Jaffe, J. J.; et al., 1977, J. Parasitol., v. 63 (3), 547-553
Brugia pahangi-infected and normal Aedes aegypti, comparative activity and properties of lactate dehydrogenase, xanthine dehydrogenase, and dihydrofolate reductase

Pathology, Nematoda
Jakovljevic, D. D., 1975, Acta Vet. Beograd, v. 25 (6), 315-325
Ascaris suum, method for obtaining embryonated eggs capable of infection; number of developed worms in intestines inversely related to number of administered eggs and age of suckling pigs; pathomorphological changes in liver and lungs; earthworms (Allolobophora caliginosa, Octolasium transpadanum, Lumbricus rubellus, Allolobophora leoni) have only a passive role as 'carriers' of embryonated eggs in transfer of infection to swine; incidence and economic importance: Yugoslavia

Pathology, Nematoda
James, T., 1970, Med. Proc., Johannesburg, v. 16 (8), 127-131
Ascaris lumbricoides, abscess of liver in young children, clinical symptoms and pathology

Pathology, Nematoda
Javadian, E.; and Macdonald, W. W., 1974, Ann. Trop. Med. and Parasitol., v. 68 (4), 477-481
Brugia pahangi, Dirofilaria repens, infection as cause of reduced egg-production of Aedes aegypti

Pathology, Nematoda
John, D. T., 1977, Virginia J. Sc., v. 28 (2), 64 [Abstract]
Angiostrongylus cantonensis, mice (exper.), course of primary infection, pathology

Pathology, Nematoda
Johnson, J. C., jr.; Stewart, T. B.; and Hale, O. M., 1975, J. Parasitol., v. 61 (3), 517-524
responses of pigs to natural infections of Strongyloides ransomi and Ascaris suum and to superimposed artificial infection with Strongyloides ransomi: effects of breed (Duroc, Hampshire, Duroc-Hampshire crossbred), level of Strongyloides ransomi infection, and season (spring, fall) on performance of growing-finishing pigs

Pathology, Nematoda
Kadyrov, N. T.; and Suleimenova, F. Z., 1975, Vestnik Sel'skokhoz. Nauki Kazakhstana (12), 91-93
delafondiasis, infected and uninfected horses, blood levels of lactic acid, serum activity of alanine-aminotransferase, aspartate-aminotransferase and aldolase

Pathology, Nematoda
Kamionek, M.; and Seryczynska, H., 1976, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 24 (8), 483-485
Neoaplectana carpocapsae, changes in hemocyte ultrastructure of Galleria mellonella

Pathology, Nematoda
Kamiya, M.; and Wongpisal, T., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 569-570 [Demonstration]
Angiostrongylus cantonensis, rats, comparison of oral, subcutaneous and intraperitoneal methods of experimental infections, classification of types of lung lesions

Pathology, Nematoda
Kassur, B.; Januszkiewicz, J.; and Poznanska, H., 1970, Mater. Med. Pol. (4), v. 2 (2-3), 32-43
experimental and human trichinosis, changes in enzyme activity in serum and muscle tissue, possible relationships to pathologic processes and diagnosis

Pathology, Nematoda
Kennedy, C. R.; and Lie, S. F., 1976, J. Fish Biol., v. 8 (4), 293-302
Eustrongylides sp., distribution, pathogenicity of larvae in fish host, preference for female fish and larger fish, little accumulation in older fish, no seasonal changes in infection levels nor pathological effects

Pathology, Nematoda
Kerboeuf, D., 1977, Ann. Recherches Vet., v. 8 (3), 257-266
Haemonchus contortus, lambs, changes in serum pepsinogen, protein and lipid levels

Pathology, Nematoda
King, C. M., 1977, J. Zool., London, v. 182 (2), 225-249
Skrjabingylus nasicola, incidence and extent of damage caused in Mustela nivalis, climate, age, sex and body size of host: Britain

Pathology, Nematoda
Kinsella, J. M.; and Winegarner, C. E., 1975, J. Parasitol., v. 61 (4), 779-781
Anatrichosoma buccalis in Didelphis virginiana, incidence of lesions, host age, course of infection in field: Archbold Biological Station, Highlands County, Florida

Pathology, Nematoda
Ko, R. C., 1976, Canad. J. Zool., v. 54 (4), 597-609
Echinocephalus sinensis, seasonal variation in incidence and intensity in Crassostrea gigas, seasonal variation in infectivity to exper. mammal hosts possibly dependent upon ambient temperature, pathology in mammals, implications for possible human infection from eating poorly cooked oysters: Hong Kong

Pathology, Nematoda
Kotani, T.; Tomimura, T.; and Mochizuki, H., 1976, Japan. J. Vet. Sc., v. 38 (5), 495-506
Dirofilaria immitis, dogs, postmortem pulmonary angiography, gross and histopathological observations

Pathology, Nematoda
Laemmler, G.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 327-341
Capillaria hepatica in Mastomys natalensis as a model system, review: infection and early development, egg production, host reactions (pathological and pathophysiological changes, serologic response), implications for human infections

Pathology, Nematoda
Laemmler, G.; Gruener, D.; and Zahner, H., 1975, Tropenmed. u. Parasitol., v. 26 (1), 98-110
Litomosoides carinii in Mastomys natalensis (exper.), peripheral blood composition before and after therapy with diethylcarbamazine or suramin (or combination) or HOE 258 V, effects of therapy on pathologic changes

Pathology, Nematoda
Lee, K. T.; Little, M. D.; and Beaver, P. C., 1975, J. Parasitol., v. 61 (4), 589-598
Ancylostoma caninum larvae, persistence and intracellular (muscle-fiber) habitat in vertebrate paratenic hosts and nature of host responses studied in mouse, cat, and rhesus monkey (all exper.); larvae also recovered by tissue digestion from muscles of naturally infected dogs

Pathology, Nematoda
Leenstra, F.; Elgersma, A.; and Ruitenberg, E. J., 1977, Trop. and Geogr. Med., v. 29 (2), 206 [Abstract]
Trichinella spiralis, Hymenolepis diminuta, infected congenitally athymic mice and their thymus-bearing heterozygous littermates (exper.), immunologic reactions shown to be dependent on immune status of host whereas non-specific histopathologic changes were thymus-independent

Pathology, Nematoda
Lehane, M. J.; and Laurence, B. R., 1977, Parasitology, v. 74 (1), 87-92
Brugia pahangi, susceptible and refractory mosquitoes, flight muscle ultrastructure, changes during parasite melanization in 'resistant' Anopheles labranchiae atroparvus, comparison with lack of change in 'susceptible' Aedes togoi and 'resistant' Aedes aegypti, decrease of glycogen in all 3 spp.

Pathology, Nematoda
Lifshitz G., A.; Butron P., L.; and Ariza A., A., 1976, Prensa Med. Mexicana, v. 41 (9-10), 323-327
Toxocara larval granulomatosis in man associated with immunoblastic lymphadenopathy, clinical case report, possible relationships: Mexico

Pathology, Nematoda
Ljungstrom, I.; and Ruitenberg, E. J., 1976, Clin. and Exper. Immunol., v. 24 (1), 146-156
Trichinella spiralis, thymectomized lethally irradiated CBA mice, immunohistological and serological response to oral infection, data support thymus dependency of host response against Trichinella

Pathology, Nematoda
Loke, Y. W.; and Ramachandran, C. P., 1966, Med. J. Malaya, v. 20 (4), 348
histopathology of Stephanofilaria kaeli lesions in cattle

Pathology, Nematoda
Londono M., I., 1976, J. Parasitol., v. 62 (4), 589-595
Dipetalonema viteae larvae, distribution and migration in Ornithodoros tartakowskyi, as cause of injury to and disorganization of tick muscle fibers, failure of some ticks to feed after biting may protect from fatal hyperinfection

Pathology, Nematoda
Long, G. G.; Lichtenfels, J. R.; and Stookey, J. L., 1976, J. Parasitol., v. 62 (1), 111-115
Anatrichosoma cynamolgi, prevalence in Macaca mulatta, limited inflammatory response: U. S. Army Medical Research Institute of Infectious Diseases, Frederick, Maryland

Pathology, Nematoda
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Terranova decipiens in Phoca vitulina and Halichoerus grypus (both exper.) (stomach of both), course of infection and pathology

Pathology, Nematoda
Mace, T. F., 1976, J. Wildlife Dis., v. 12 (1), 88-92
Dioctophyma renale in Mustela vison, kidney lesions: Washago region, Ontario, Canada

Pathology, Nematoda
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Brugia pahangi, histopathology in Mesocricetus auratus, lymph vessels and nodes, testes, epididymis, and spermatic cord, lungs, liver, potential for model of human filariasis

Pathology, Nematoda
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Brugia pahangi in golden hamster (exper.), pathology, possible use as laboratory model for human infections

Pathology, Nematoda
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hepatic parasitic diseases, humans, classification based on type and extension of pathologic changes, extensive pathologic review, highlights of epidemiology and parasitic life cycles

Pathology, Nematoda
Mazaud, R.; and Ferrus, R., 1973, Medecine Trop., v. 33 (2), 177-185
human malaria and filariasis as possible causes of idiopathic endomyocardial fibrosis in tropical areas

Pathology, Nematoda
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Capillaria hepatica in Cavia porcellus and mice (both exper.), fewer liver lesions in C. porcellus than in mice, eventual disintegration of parasites in C. porcellus, apparently not a very susceptible host

Pathology, Nematoda
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Pathology, Nematoda
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exper. Trichinella spiralis myocarditis, rats, pathologic findings, occurs during migration phase of infection during first two weeks of disease, generally no permanent damage

Pathology, Nematoda
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Litomosoides carinii, white rats, pathological changes

Pathology, Nematoda
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Pathology, Nematoda
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Pathology, Nematoda
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Pathology, Nematoda
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Dracunculus medinensis in rhesus monkeys, pathological processes associated with emergence of female worms, chemotherapy (some drugs had no effect on pre-emergent worms but markedly reduced host tissue reaction thus allowing easier extraction)

Pathology, Nematoda
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Spirocerca lupi, dogs, pathogenesis and lesions, clinical aspects reviewed

Pathology, Nematoda
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Pathology, Nematoda
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Pathology, Nematoda
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Parelaphostrongylus andersoni, Odocoileus virginianus (exper.), gross and microscopic lesions, lungs, muscles, clinical signs, egg production, course of infection

Pathology, Nematoda
Ngu, J. L.; and Blackett, K., 1976, Trop. and Geogr. Med., v. 28 (2), 111-120
Onchocerc[a] volvulus in humans, immunologic studies attempting to delineate role of humoral and cellular immune responses in the heterogeneity of onchocercal lesions

Pathology, Nematoda
Nicolaides, N. J.; et al., 1977, Pathology, v. 9 (2), 129-135
Physalopteridae [sp.], probably Physaloptera sp. causing small bowel infarction in 11-month-old infant, infection thought to have resulted from ingestion of insects on grass eaten while at play in an area contaminated by bandicoots (probable definitive host); pathology resulted when larvae attempted tissue migration for re-encystment in a foreign host, clinical report: Queensland, Australia

Pathology, Nematoda
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fourth reported case of human urinary tract gnathostomiasis, woman with history of eating raw fish passed adult male Gnathostoma spinigerum in urine, probable parasite migration through lung and spinal column to bladder: Thailand

Pathology, Nematoda
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Strongyloides stercoralis, intestinal malabsorption associated with high eosinophilia occurring in young soldiers probably resulting from parasitic infestation: Borneo

Pathology, Nematoda
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acute intestinal obstruction resulting from Ascaris lumbricoides, review of 455 cases observed in young children, differential diagnosis, pathologic findings, clinical management: Sao Paulo

Pathology, Nematoda
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Toxocara canis larvae in mouse eye, distribution within various eye tissues and effect of previous infection on numbers and distribution, onset and development of hemorrhagic and white cell lesions in anterior eye following challenge of immunized and control mice

Pathology, Nematoda
Omar, M. S.; and Garms, R., 1977, Tropenmed. u. Parasitol., v. 28 (1), 109-119
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Pathology, Nematoda
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Pathology, Nematoda
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Pathology, Nematoda
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Ascaris equorum in Thoroughbred foal (peritoneal cavity, stomach), probable cause of fatal perforated duodenal ulcer; accompanied by aneurysm at root of anterior mesenteric artery containing near-adult Strongylus vulgaris, case report

Pathology, Nematoda
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Pathology, Nematoda
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Dirofilaria immitis, dogs (exper.), number of circulating microfilariae is not an index of the number of adult heartworms or the severity of disease, reduced numbers of microfilariae per adult occur with increased numbers of adults, possible mechanisms

Pathology, Nematoda
Pandey, V. K.; Tripathy, S. B.; and Dey, P. C., 1977, Indian J. Animal Health, v. 16 (1), 91-92
Stephanurus dentatus, pigs (kidneys, bronchi), case history, pathology, post mortem examination, preventive measures and treatment with piperazine adipate and copper sulfate

Pathology, Nematoda
Parkins, J. J.; Holmes, P. H.; and Bremner, K. C., 1973, Research Vet. Sc., v. 14 (1), 21-28
Ostertagia circumcincta, effects of different infection levels on feed intake, apparent digestibility, and nitrogen balance in Blackface sheep when fed rations of different nitrogen content

Pathology, Nematoda
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Pathology, Nematoda
Patton, S.; and Drudge, J. H., 1977, Am. J. Vet. Research, v. 38 (12), 2059-2066
Strongylus vulgaris, ponies given repeated small doses of infective larvae, acquired resistance against challenge exposure; clinical and hematologic responses, corticosteroid and/or antibiotic therapy did not alter immune response

Pathology, Nematoda
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Pathology, Nematoda
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Grammocephalus hybridatus, Elephas maximus (bile ducts), histopathological changes in liver and pancreas: died in zoo, Tuscany

Pathology, Nematoda
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Pathology, Nematoda
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Camallanus moraveci n. sp. causing host mortality, histological study of lesions

Pathology, Nematoda
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Amidostomum anseris, comparison of worm development and pathology in experimentally infected chickens and ducklings with those of goslings, stored larvae from ducklings proved infective to goslings and ducklings

Pathology, Nematoda
Pillay, K. R. Sukumara; et al., 1976, Indian Vet. J., v. 53 (9), 670-671
Grammocephalus hybridatus, Indian elephant, case history, pathogenesis: Tithmathy, Coorg District, Karnataka State

Pathology, Nematoda
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Strongyloides stercoralis, man, 5 fatal cases with autoinfection, case reports, histopathological findings: Uganda

Pathology, Nematoda
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Brugia pahangi, cats (exper.), histopathologic changes resulting from microfilarial infection

Pathology, Nematoda
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Micronema deletrix, central nervous system of horse, pathology

Pathology, Nematoda
Prasad, M. C.; and Bhalla, N. P., 1977, Indian Vet. J., v. 54 (2), 97-101
Elaeophora poeli, Bubalus bubalis, pathology of parasitic aortitis

Pathology, Nematoda
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Parelaphostrongylus andersoni, repeated low-level infection of Odocoileus virginianus, clinical, parasitologic, and pathologic findings, apparent production of active immunity, results suggest that wild deer become infected by isolated chance encounters with infected gastropods

Pathology, Nematoda
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Didelphostrongylus hayesi, Capillaria [sp.], pathology in opossum lungs

Pathology, Nematoda
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Litomosoides carinii in Praomys (Mastomys) natalensis as laboratory host, course of infection, effects of infection and superinfection on host and on cells of pleural exudate, effect of splenectomy

Pathology, Nematoda
Przyjałkowski, Z.; and Warton, A., 1977, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 24 (11), 1976, 675-678
Trichinella spiralis in bacteria-free or conventional mice, changes in ultrastructure of epithelium of small intestines

Pathology, Nematoda
Pursglove, S. R.; et al., 1976, J. Am. Vet. Med. Ass., v. 169 (9), 896-900
Strongyloides sp. in Odocoileus virginianus, pathology, geographic distribution; deer insignificant in epizootiology of intestinal nematodes of domestic livestock: southeastern United States

Pathology, Nematoda
Quentin, J. C.; and Seureau, C., 1975, Ztschr. Parasitenk., v. 47 (1), 55-68
Seuratum cadarachense, first larval stages, organogenesis, migration and cellular reactions in Locusta migratoria (exper.) (lumiere de l'intestin moyen), imperfect adaptation of nematode to intermediate host; comparison with other nematode life cycles, speculations on evolution

Pathology, Nematoda
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Pterygodermatites affinis, life cycle, development, morphology, cellular reaction in insect host

Pathology, Nematoda
Rachford, F. W., 1976, Exper. Parasitol., v. 39 (3), 382-392
Angiostrongylus cantonensis, histopathologic changes in Lymnaea palustris

Pathology, Nematoda
Radhakrishnan, C. V.; and Tirgari, M., 1976, Indian Vet. J., v. 53 (8), 627-631
Spirocerca lupi, dogs, incidence survey, diagnosis, pathological findings: Iran

Pathology, Nematoda
Rajan, A.; and Mohiyuddeen, S., 1975, Kerala J. Vet. Sc., v. 5 (2), 139-142
spirocercosis, pathology, dogs (thoracic oesophagus, aorta, stomach, thymus, lung, bronchial and mediastinal lymphnodes): Bangalore city

Pathology, Nematoda
Ramisz, A.; and Komorowski, A., 1975, Polskie Arch. Wet., v. 17 (4), 623-631
Trichinella spiralis, muscle phase in mice, fenchlorphos and bromophos, inhibition of host cholinesterase activity in motor end plates; increased activity of cholinergic system as main factor in pathogenesis

Pathology, Nematoda
Rawlings, C. A.; and Lewis, R. E., 1977, Am. J. Vet. Research, v. 38 (11), 1801-1805
Dirofilaria immitis, dogs with spontaneous infection, evaluation of size of right ventricle by thoracic radiography, electrocardiography, and right ventricular free wall weights; based on radiography, only 2 of 15 dogs had right ventricles of normal size

Pathology, Nematoda
Rawlings, C. A.; Losonsky, J. M.; and Lewis, R. E., 1977, Am. J. Vet. Research, v. 38 (9), 1365-1369
dogs infected with Dirofilaria immitis but without pulmonary hypertension showed exaggerated increase of pulmonary artery pressure when subjected to hypoxia, apparently due to increased pulmonary vascular resistance; possible implications for pulmonary hypertension in humans

Pathology, Nematoda
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bovine ostertagiosis, analysis of types and syndromes, total worm counts, post mortem examinations, survey of 74 cattle: France

Pathology, Nematoda
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Habronema muscae, Habronema megastoma, horses, gross and microscopic pathological changes, stomach and other organs

Pathology, Nematoda
Rehbinder, C.; Christensson, D.; and Glatthard, V., 1975, Nord. Vet.-Med., v. 27 (10), 499-507
Onchocerca sp. in subperitoneal and subcutaneous granulomas and Setaria tundrae in encapsulations in peritoneum of reindeer, increasing incidence, association with liver lesions caused by Corynebacteria, found in forest herds but not mountain herds

Pathology, Nematoda
Reveron, A. E.; et al., 1971, Proc. Nutrition Soc., v. 30 (3), 83A-84A
Trichostrongylus colubriformis, lambs (exper.), effects of nematode parasitism on calcium and phosphorus retention, results show that infestation adversely affected bone mineralization with marked decrease in absorption and retention of phosphorus but little effect on calcium metabolism

Pathology, Nematoda
Ridley, R. K.; Slonka, G. F.; and Leland, S. E., jr., 1977, J. Parasitol., v. 63 (2), 348-356
Cooperia punctata, L_4 and adult stages grown in vitro, utilization of propionic acid, use of propionate by worms would result in depriving ruminant host of some of its necessary glucogenic precursors and could account for specific pathogenic mechanism attendant to heavy infections

Pathology, Nematoda
Rivera, M. A.; and Gaafar, S. M., 1976, Vet. Parasitol., v. 2 (4), 341-353
Ascaris suum, pigs, sequential development of esophagogastric ulcers induced by infection

Pathology, Nematoda
Rodrigo Gomez, J. M.; et al., 1971, Med. Espan. (386), an. 34, v. 65, 355-358
man with long-standing case of duodenal ancylostomiasis, clinical aspects, treatment with tetrachlorethylene, deficiency in intestinal absorption

Pathology, Nematoda
Roeckel, I. E.; and Lyons, E. T., 1977, Ann. Clin. and Lab. Sc., v. 7 (5), 405-410
Strongyloides westeri causing cutaneous larva migrans with severe allergic hypersensitivity in laboratory workers exposed to live Strongyloides larvae, clinical case reports, recommendations for control; similar lesions and pathologic changes produced in rabbit experimentally

Pathology, Nematoda
Rogers, R.; et al., 1975, Ann. Trop. Med. and Parasitol., v. 69 (1), 77-84
Brugia pahangi, cats, histological changes in lymph nodes characteristic of cell-mediated and antibody-type immunological responses

Pathology, Nematoda
Rogers, R.; Davis, R.; and Denham, D. A., 1975, J. Helminth., v. 49 (1), 31-32
new technique for visualizing changes in lymphatics caused by filarial worms, injection of Hypaque solution followed by Xeroradiography, use with Brugia pahangi in cats

Pathology, Nematoda
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Neostrongylus linearis, histological reactions in Cernuella (Xeromagna) cespitum arigonis and C. (C.) virgata (exper.); review of literature on morpho-eco-biology and systematics of mollusks studied and method of infestation and culturing intermediate hosts

Pathology, Nematoda
Roseby, F. B., 1977, Austral. J. Agric. Research, v. 28 (1), 155-164
Trichostrongylus colubriformis, sheep, effects on characteristics of digesta flow and fermentation, derangements of nitrogen metabolism

Pathology, Nematoda
Rougemont, A.; et al., 1974, Medecine Trop., v. 34 (4), 508-522
Onchocerca volvulus, histopathology of cutaneous reactions and microfilarial response in persons treated with diethylcarbamazine or suramine

Pathology, Nematoda
Rudek, L., 1970, Acta Parasitol. Polon., v. 17 (20-38), 225-235
Heterakis gallinarum, chickens, various size doses, clinical course of disease, host weight gains, haemograph, pathomorphological changes, possible economic loss

Pathology, Nematoda
Ruitenberg, E. J.: et al., 1977, Immunology, v. 33 (4), 581-587
Trichinella spiralis, comparison of infection in congenitally athymic (nude) mice and their heterozygous thymus-bearing littermates: expulsion of adult worms; yield of muscle larvae; production of specific antibodies; number of pyroninophilic cells, intra-epithelial lymphocytes, and eosinophils in small intestine; blood eosinophilia; data support thymus dependence of worm expulsion, plasma cell and antibody production, and tissue and blood eosinophilia

Pathology, Nematoda
Ruitenberg, E. J.; Leenstra, F.; and Elgersma, A., 1977, Brit. J. Exper. Path., v. 58 (3), 311-314
Trichinella spiralis, athymic mice, intestinal pathology; immunological reaction dependent upon host immune status, nonspecific histopathological changes thymus-independent

Pathology, Nematoda
Sadana, J. R.; and Kalra, D. S., 1977, Indian J. Animal Sc., v. 44 (11), 1974, 865-868
Stephanurus dentatus, visceral larva migrans, pigs (lungs), pathology: abattoirs at Hissar and Delhi

Pathology, Nematoda
Sapunar, J.; and Szekely, R., 1977, Bol. Chileno Parasitol., v. 32 (1-2), 31-36
Trichinella spiralis, analysis of clinical findings in 76 persons with trichinosis, symptoms, pathology, findings possibly useful as prognosis index

Pathology, Nematoda
Sarkar, P.; Basak, D. K.; and Bhattacharyya, H. M., 1976, Indian Vet. J., v. 53 (1), 55-57
Dirofilaria immitis, dogs (heart), pathology

Pathology, Nematoda
Sauerlaender, R., 1976, Ztschr. Parasitenk., v. 49 (3), 263-280
Angiostrongylus vasorum, A. cantonensis, histopathology of experimentally infected Achatina fulica, localization within host at various times after infection, cellular defense mechanisms

Pathology, Nematoda
Schacher, J. F.; et al., 1973, Ann. Trop. Med. and Parasitol., v. 67 (1), 81-94
Brugia pahangi, dogs, lymphographic studies at various intervals after infection up to 18 months, lymphatic system of male animals less able to accommodate to filarial insult than that of females

Pathology, Nematoda
Schillhorn van Veen, T.; and Robl, M. G., 1975, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 28 (3), 305-310
Onchocerca armillata, cattle (White Fulani and N'bororo breeds), incidence and description of lesions in aortic wall: Nigeria

Pathology, Nematoda
Schulz-Key, H., 1975, Tropenmed. u. Parasitol., v. 26 (1), 60-69
Onchocerca flexuosa, development of nodules on hide of Cervus elaphus, relationship to age and sex of parasites, parasitic reproduction within nodules

Pathology, Nematoda
Scofield, A. M., 1975, Comp. Biochem. and Physiol., v. 52 (4A), 685-689
Nematospiroides dubius, rats, transient malabsorption of amino acids by small intestine during infection

Pathology, Nematoda
Scofield, A. M., 1977, Internat. J. Parasitol., v. 7 (2), 159-165
Nippostrongylus brasiliensis-infected rats, intestinal absorption of hexoses, possible relation to immune reaction

Pathology, Nematoda
Selman, I. E.; et al., 1976, Vet. Rec., v. 99 (3), 141-143
Ostertagia ostertagi, outbreaks of ostertagiasis affecting adult beef cattle, clinical, biochemical, haematological, parasitological and pathological findings characteristic of type II ostertagiasis in immature cattle, diagnosis

Pathology, Nematoda
Seo, B. S., 1975, J. National Acad. Sc., Republic Korea, Nat. Sc. s., v. 14, 177-229
Brugia malayi, humans, survey, incidence and prevalence rates, mathematical analysis, clinical aspects, diethylcarbamazine citrate, mass treatment program at 3 dosage schedules, histopathology, adenolymphangitis in untreated and treated cases: Cheju Island, Korea

Pathology, Nematoda
Seureau, C., 1977, J. Invert. Path., v. 29 (2), 240-241
Abbreviata caucasica-infected Locusta migratoria, cytopathological accumulation of microtubules in gut epithelial cells, structure protects nematode from host reaction so that it can complete development when ingested by final host

Pathology, Nematoda
Seureau, C.; and Quentin, J. C., 1977, Ann. Parasitol., v. 52 (4), 457-470
comparison of larval migration of 17 subulurid and spirurid nematodes in Locusta migratoria (exper.), course and duration of migration, histopathologic consequences, brief discussion of relation to phylogeny of nematodes and host hemocytic defense reaction

Pathology, Nematoda
Shimura, K.; et al., 1975, Exper. Rep. Equine Health Lab. (12), 30-43
rabbits, sensitized with extract of equine Strongylus, same extract injected into ileocecocolic artery, pathological changes in mesentery and cecum; injection in ligatured loops of jejunum, ileum and vermiform appendix, erythrocytes, hemoglobin and serous exudate in lumina

Pathology, Nematoda
Shiozawa, M.; et al., 1975, Bull. Nippon Vet. and Zootech. Coll. (24), 76-86
Protostrongylus shiozawai in the Japanese serow, histopathology of verminous pneumonia

Pathology, Nematoda
Sillau, H.; et al., 1973, Rev. Invest. Pecuarias, v. 2 (1), 103-105
Lamanema chavezi-infected alpacas, liver function tests

Pathology, Nematoda
Silveira, D.; et al., 1975, Arq. Escola Vet. Univ. Fed. Minas Gerais, v. 27 (2), 231-234
Capillaria hepatica, dog, liver

Pathology, Nematoda
Simpson, C. F.; and Neilson, J. T. M., 1976, Tropenmed. u. Parasitol., v. 27 (3), 349-354
Dipetalonema viteae in Mesocricetus auratus (exper.), comparison of pathologic changes in hamsters with single versus quadruple infections (hyperinfected hamsters developed more extensive lesions and subcutaneous nodules)

Pathology, Nematoda
Sinclair, K. B.; and Prichard, R. K., 1975, Research Vet. Sc., v. 19 (2), 232-234
Haemonchus contortus, sheep, disophenol administered to sheep to prevent development of populations of adult worms and to study pathogenicity of arrested 4th-stage larvae which remained, concluded that they may cause damage to abomasal mucosa

Pathology, Nematoda
Singh, N. B.; Tewari, H. C.; and Deo, P. G., 1975, Ceylon Vet. J., v. 23 (3-4), 61 [Letter]
Acuaria spiralis, poultry, histopathology, pathogenicity in proventriculus and gizzard

Pathology, Nematoda
Singh, N. P.; and Tewari, A. N., 1976, Indian J. Animal Sc., v. 46 (4), 211-214
Spirocerca lupi, pathoanatomical and histopathological study, dogs, oesophagus and aorta, fibrosarcoma in some cases

Pathology, Nematoda
Slais, J.; Sterva, J.; and Zikova, A., 1973, Plzen. Lek. Sborn. (39), 231-234
Capillaria hepatica manifesting as solitary hepatic granuloma in humans, pathologic findings

Pathology, Nematoda
Slonka, G. F.; Castleman, W.; and Krum, S., 1977, J. Am. Vet. Med. Ass., v. 170 (7), 717-719
Dirofilaria immitis, dog, mature worms in femoral and other systemic arteries, ischemic necrosis to abdominal viscera and hindlimbs, posterior paresis and paralysis

Pathology, Nematoda
Sobieszewski, K., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 91-95
Metastrongylus elongatus, M. pudendotectus, pigs (lungs), incidence, mixed infection, pathological changes: Lublin Palatinate, Poland

Pathology, Nematoda
Stannard, A. A.; and Cello, R. M., 1975, Am. J. Vet. Research, v. 36 (7), 1029-1031
Onchocerca cervicalis, horses, prevalence, more common in older animals, occurred in both sexes equally, distribution and concentration of microfilariae within skin, cutaneous pathologic changes, invasion of eye with microfilariae in 60% of cases

Pathology, Nematoda
Stevenson, P.; and Jacobs, D. E., 1976, Parasitology, v. 73 (2), i-ii [Abstract]
pigs, milkspot lesion of liver, evidence from serological surveys supports view of Ascaris suum as major factor in aetiology and gives little indication that Toxocara spp. play any significant role: N. Wales; East Anglia

Pathology, Nematoda
Stockdale, P. H. G.; and Smart, M. E., 1975, Research Vet. Sc., v. 18 (2), 178-181
Crenosoma vulpis, dogs (exper.), treatment with levamisole, diethylcarbamazine, thiacetarsamide, and cyacetazide (from most to least effective), pulmonary lesions

Pathology, Nematoda
Stringfellow, F., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 76-81
monospecific and dual species infections of Ostertagia ostertagi and Trichostrongylus axei, calves, histochemical studies of abomasal tissue

Pathology, Nematoda
s Sun, S. C.; et al., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (4), 524-533
Capillaria philippinensis, ultrastructural survey of pathologic changes in intestinal infections in humans and Meriones unguiculatus (exper.)

Pathology, Nematoda
Sutherland, R. J., 1976, N. Zealand Vet. J., v. 24 (11), 263-266
Elaphostrongylus cervi, Cervus elaphus, gross and histological lesions

Pathology, Nematoda
Sutoh, M.; et al., 1976, Exper. Rep. Equine Health Lab. (13), 60-78
Strongylus vulgaris, foals, occurrence, clinical signs, pathologic changes in mesenteric artery and related blood vessels caused by larval migration: Hidaka district, Hokkaido

Pathology, Nematoda
Sutoh, M.; et al., 1976, National Inst. Animal Health Quart., v. 16 (2), 59-64
Strongylus vulgaris, pathology in foals: Japan

Pathology, Nematoda
Sykes, A. R.; and Coop, R. L., 1976, J. Agric. Sc., v. 86 (3), 507-515
Trichostrongylus colubriformis larvae, lambs (exper.), food intake and utilization after parasitic damage to small intestine, body weight changes, reduced host mineral metabolism

Pathology, Nematoda
Sykes, A. R.; and Coop, R. L., 1976, Proc. Nutrition Soc., v. 35 (1), 13A-14A [Abstract]
Trichostrongylus colubriformis, Ostertagia circumcincta, sheep (exper.), effects of extensive chronic parasitism on food intake and utilization by growing lambs, deposition of nitrogen and fat severely impaired and food intake reduced by 9%

Pathology, Nematoda
Sykes, A. R.; and Coop, R. L., 1977, J. Agric. Sc., v. 88 (3), 671-677
Ostertagia circumcincta larvae, daily dosing of growing sheep, reduction of food intake and utilization resulting from abomasal damage; reduced weight gain

Pathology, Nematoda
Sykes, A. R.; Coop, R. L.; and Angus, K. W., 1977, J. Comp. Path., v. 87 (4), 521-529
Ostertagia circumcincta, chronic sub-clinical parasitism of lambs, significantly reduces skeletal growth

Pathology, Nematoda
Symons, L. E. A., 1976, Internat. J. Parasitol., v. 6 (2), 107-111
Nippostrongylus brasiliensis-infected rat jejunum, scanning electron microscopy

Pathology, Nematoda
Symons, L. E. A.; and Jones, W. O., 1975, Austral. J. Agric. Research, v. 26 (6), 1063-1072
Trichostrongylus colubriformis, sheep, radioisotope-labelled leucine for measurement of protein synthesis in muscles, liver and wool follicles, anorexia as major cause of protein metabolism changes

Pathology, Nematoda
Symons, L. E. A.; and Jones, W. O., 1977, Exper. Parasitol., v. 42 (1), 194-202
Eimeria tenella-infected chickens, altered protein synthesis, compared to hosts infected with bacteria or with intestinal nematodes, evidence that loss of protein may increase apparent concentration of DNA and RNA of muscle and liver

Pathology, Nematoda
Taranik, K. T., 1975, Visnik Sil's'kogospod. Nauki (7) (212), 101-102
Dictyocaulus filaria, pathogenicity studies of experimental bovine infections, light infections producing no clinical signs, heavy infections (50,000 larvae) producing pneumonia and emphysema

Pathology, Nematoda
Tawfik, M. A. A., 1975, Egypt. J. Vet. Sc., v. 12 (2), 85-88
Neoascaris vitulorum, white rats, pathological changes induced by migration (ileum, caecum, liver and lung)

Pathology, Nematoda
Thomas, R. J.; and Waller, P. J., 1975, Vet. Rec., v. 97 (24), 468-471
Ostertagia circumcincta, lambs naturally infected on pasture from spring to autumn, faecal egg counts, worm counts, serum pepsinogen levels, body weights, correlations; serum pepsinogen estimations as possible diagnostic test

Pathology, Nematoda
Titchen, D. A.; and Anderson, N., 1977, Austral. Vet. J., v. 53 (8), 369-373
Ostertagia, sheep and cattle, physiopathology of gastritis, secretory changes of parasitized and non-parasitized mucosa, review

Pathology, Nematoda
Todd, K. S., jr.; et al., 1976, Feline Pract., v. 6 (2), 41-44
Dirofilaria immitis, 3 cats, case histories, pathology, literature review: Illinois

Pathology, Nematoda
Toft, J. D. II; Schmidt, R. E.; and De Paoli, A., 1976, J. Med. Primatol., v. 5 (6), 360-364
Oxyuridae in Pan troglodytes, multiple intestinal polyps, histologic characteristics

Pathology, Nematoda
Tomimura, T.; Yokota, M.; and Takiguchi, H., 1976, Japan. J. Vet. Sci., v. 38 (6), 533-548
Toxocara canis in Macaca spp., visceral larva migrans, clinical, hematological, biochemical, and gross pathological observations, occurrence of severe neurological disorders

Pathology, Nematoda
Torroella, J. J., 1976, Rev. Invest. Salud Pub., Mexico, v. 36 (3), 171-173
human ocular onchocerciasis, possible link between release of serotonin and ocular pathology

Pathology, Nematoda
Trueman, K. F.; and Ferris, P. B. C., 1977, Austral. Vet. J., v. 53 (10), 498-499
Gnathostoma spinigerum, cats, 3 case reports, histopathology, clinical signs, fatal case with perforated stomach: Townsville, Queensland, Australia

Pathology, Nematoda
Turton, J. A., 1977, Parasitology, v. 75 (2), xxxvi [Abstract]
Necator americanus, human (exper.), 4 infections in one person over 2-year period, protective response not elicited (using egg count as criterion), anthelmintic activity of levamisole exceptionally varied (from 0 to 99%) but mebendazole always 100% effective, symptoms, blood picture, antibody production, lesions produced during dermal penetration

Pathology, Nematoda
Ueno, H.; Chibana, T.; and Yamashiro, E., 1977, Vet. Parasitol., v. 3 (1), 41-48
Stephanofilaria okinawaensis, cattle, dermatitis of teats, clinical and histopathological observations, relationship to dermatitis on muzzle: Nansei Islands, Okinawa Prefecture, Japan

Pathology, Nematoda
Valenza, F., 1974, Atti Soc. Ital. Sc. Vet., v. 28, 704-705
Syngamus, pheasants, tracheal granulomas, pathology, description of lesions

Pathology, Nematoda
Vasilev, I.; et al., 1973, Izvest. Tsentral. Khelmint. Lab., v. 16, 43-58
Ascaridia galli, chicks, course of infection, pathogenesis (hematology, histology, histochemistry, biochemistry)

Pathology, Nematoda
Vasilev, I.; et al., 1973, Izvest. Tsentral. Khelmint. Lab., v. 16, 59-72
Ascaridia galli, A. dissimilis, turkey poults, course of infection, pathogenesis (hematology, histology, histochemistry, biochemistry)

Pathology, Nematoda
Vegad, J. L.; Kolte, G. N.; and Awadhiya, R.P., Vet. Rec., v. 95 (10), 207-208
Oesophagostomum spp., Rambouillet ram, clinical observations, histopathology, fatal termination due to rupture of necrotic nodule into peritoneal cavity: Adhartal

Pathology, Nematoda
Vetési, F.; Phuc, D. V.; and Varga, I., 1976, Acta Vet., Budapest, v. 26 (1), 113-127
Amidostomum anseris, goslings (ventriculus) (exper.), histopathology, comparison with infected ducklings and chickens

Pathology, Nematoda
Vignola, G.; Mori, P. G.; and Cottafava, F., 1969, Minerva Pediat., v. 21 (33), 1526-1530
mixed giardiasis and Trichocephalus infections in young child resulting in severe malabsorption syndrome, pathology of intestinal mucosa

Pathology, Nematoda
Vincent, A. L.; Frommes, S. P.; and Ash, L. R., 1976, Exper. Parasitol., v. 40 (3), 330-354
Brugia, 3 spp. in Meriones unguiculatus, pulmonary pathology, results suggest that localization in pulmonary arteries should not be considered an aberrant mode of development

Pathology, Nematoda
Vollerthun, R.; et al., 1976, Zentralbl. Vet.-Med., Beihefte (25), 161-163
Capillaria hepatica, pathophysiology, immunology, Mastomys natalensis, rabbits; animal models for human infection studies

Pathology, Nematoda
Wandera, J. G., 1976, Vet. Rec., v. 99 (18), 348-351
Spirocerca lupi, dogs, incidence, pathological variations, oesophageal sarcomas, age of host, site of incidence, 11 year period: Kenya

Pathology, Nematoda
Widera, L., 1976, Med. Wet., v. 32 (8), 498-500
Terranova sp., cod fish, histopathology of lesions in meat

Pathology, Nematoda
Wijers, D. J. B., 1977, Ann. Trop. Med. and Parasitol., v. 71 (3), 313-331
bancroftian filariasis, humans, extensive prevalence survey of adult males for microfilaremia and pathologic evidence of infection: Coast Province, Kenya

Pathology, Nematoda
Wijers, D. J. B.; and Kinyanjui, H., 1977, Ann. Trop. Med. and Parasitol., v. 71 (3), 333-345
bancroftian filariasis, extensive prevalence survey comparing natives of a small sea shore village and those from a sparsely populated rural area for evidence of microfilaremia and visible pathology: Coast Province, Kenya

Pathology, Nematoda
Williams, D. M.; Krick, J. A.; and Remington, J. S., 1976, Am. Rev. Resp. Dis., v. 114 (3), 593-627
parasitic pulmonary infections in the compromised host, immunopathologic aspects, clinical manifestations, diagnosis and treatment, review

Pathology, Nematoda
Wobeser, G.; and Rock, T. W., 1973, J. Wildlife Dis., v. 9 (3), 225-226
Capillaria hepatica, diagnosis in Canis latrans on basis of histopathology, no recognizable portions of adult parasites were seen: southern Saskatchewan

Pathology, Nematoda
Wong, M. M., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (6), 479-490
Dirofilaria immitis in normal and immunosuppressed Macaca spp., histopathology, W.B.C. and eosinophil counts, radiological examination, serological examination by IFA test, recovery of adult worms only in immunosuppressed hosts indicates that host susceptibility rather than parasite infectivity was the factor concerned

Pathology, Nematoda
Wong, M. M.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 265-273
Brugia malayi, summary of longitudinal studies of 28 rhesus monkeys experimentally infected with single, double or multiple inoculations of larvae: clinical aspects, antibody responses, pathology, treatment with diethylcarbamazine, host biochemical changes, microfilaremia

Pathology, Nematoda
Woodruff, A. W.; et al., 1977, J. Trop. Med. and Hyg., v. 80 (4), 68-73
human onchocerciasis in savanna and rainforest areas, comparison of epidemiologic aspects and pathology: Nigeria and Cameroon

Pathology, Nematoda
Woodruff, A. W.; et al., 1977, J. Trop. Med. and Hyg., v. 80 (4), 74-77
clinicopathologic picture of human onchocerciasis in Ethiopia as compared to that in Nigeria and Cameroon

Pathology, Nematoda
Worms, M. J.; and McLaren, D. J., 1977, Parasitology, v. 75 (2), xxxvii [Abstract]
Litomosoides carinii in Meriones spp., pathogenesis, local response of tissues with special reference to pleural surface

Pathology, Nematoda
Yii, C.-Y., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 233-249
Angiostrongylus cantonensis, human, eosinophilic meningitis and meningoencephalitis, extensive clinical study of 125 patients with 16 case reports: Taiwan

Pathology, Nematoda
Yoshikawa, T.; Oyamada, T.; and Yoshikawa, M., 1976, Japan. J. Vet. Sc., v. 38 (2), 105-115
Setaria digitata, cattle, accidental parasitic entry in bovine urinary bladder from abdominal cavity, pathology of granulomatous lesions, histological findings

Pathology, Nematoda
Young, E.; and Basson, P. A., 1976, J. South African Vet. Med. Ass., v. 47 (1), 57
Cordophilus sagictus, Haemonchus spp., eland, pathology, levamisole hydrochloride, good results against gastro-intestinal parasites: Kruger National Park, translocated from Addo Elephant National Park

Pathology, Nematoda
Zahner, H.; et al., 1976, Ztschr. Parasitenk., v. 49 (1), 41-61
Capillaria hepatica in Mastomys natalensis (liver) (exper.), development, prepatency, egg production (duration and dynamics dependent upon infective dose), necroses of liver as related to infection rate, liver and spleen weight increases

Pathology, Nematoda
Zak, F., 1975, Pathol. et Microbiol., v. 43 (2-3), 150 [Abstract]
aortic calcifications in cattle resulting from Onchocerca armillata infection: West Sudan

Pathology, Nematoda
Zeromski, J.; and Jazbor, A., 1969, Acta Parasitol. Polon., v. 17 (1-19), 119-125
Trichinella spiralis, rats, localization of antigens by direct and indirect immunofluorescence, methods compared, antigens found only within developing parasite, probably immunological mechanisms not active in production of clinical symptoms

Pathology, Nematoda
al-Zubaidy, A. J., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 436 [Demonstration]
Onchocerca armillata, cattle, parasitic aortitis: Iraq

Pathology, Nematoda
Zyngier, F. R., 1974, Ann. Trop. Med. and Parasitol., v. 68 (2), 225-228
Toxocara canis, mice (exper.), histopathology of liver, lung, brain, and muscle

Pathology, Nematoda
Zyngier, F. R., 1976, N. England J. Med., v. 295 (26), 1483
Toxocara canis-infected mice, inclusion bodies in neutrophils observed on bronchial lumen, assumed to be Charcot-Leyden crystals

Pathology, Nematoda
Zyngier, F. R.; and Brockbank, A., 1974, Ann. Trop. Med. and Parasitol., v. 68 (2), 229-233
Toxocara canis, mice (exper.), pathology of lung involvement, electron microscopy

Pathology, Nematoda
Zyngier, F. R.; and Santa-Rosa, G., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 445-448
Toxocara canis, mice, histopathology of multiple infection, influence of antihistamines and corticosteroids

Pathology, Protozoa
Abdalla, R. E.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 549-559
cutaneous leishmaniasis, human, epidemiology, clinical features, pathology, immunology, treatment with sodium stibogluconate; leishmanin skin test survey of 560 individuals: Sudan

Pathology, Protozoa
Abdalla, R. E.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 443-449
human mucosal leishmaniasis, possibly Leishmania donovani, distribution, clinical features, pathology, immunology, sodium stibogluconate: Sudan

Pathology, Protozoa
Aboko-Cole, G. F.; and Lee, C. M., 1975, Ztschr. Parasitenk., v. 47 (2), 71-77
Trypanosoma rhodesiense, T. lewisi, rats on normal or folic acid deficient diets, mitotic activity in liver; folate content of trypanosomes and their metabolic products

Pathology, Protozoa
Aikawa, M.; Hsieh, C.-L.; and Miller, L. H., 1977, J. Parasitol., v. 63 (1), 152-154
Plasmodium simiovale- and P. fieldi-infected Macaca mulatta, ultrastructural alterations in cell membrane of erythrocytes, caveola-vesicle complexes likely correspond to Schüffner's dots, electron dense excrescences at protruded tip of infected erythrocytes

Pathology, Protozoa
Aisa, E., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 517-524
Myxobolus ellipsoides bramaeformis, lesions in swimbladder of Tinca tinca: Lake Trasimeno

Pathology, Protozoa
Aisa, E., 1972, Parassitologia, v. 14 (2-3), 219-225
Myxobolus ellipsoides bramaeformis, infection levels similar in central and littoral portions of lake; infection of tench, Tinca tinca, localized mainly on gills, occasionally in swimbladder, rarely diffuse; slight pathological effects, no mortality; limnological data giving no ecological clue to distribution: lake Trasimeno

Pathology, Protozoa
Akinshina, G. T.; and Zalkind, S. Ia., 1975, Biul. Eksper. Biol. i Med., v. 80 (10), 122-125
Toxoplasma gondii-infected pig embryonic kidney cells, host cell response to infection (morphological changes, absence of severe or advanced cytotoxic effect, preservation of high mitotic activity); persistence of infection

Pathology, Protozoa
Allen, W. M.; et al., 1973, J. Comp. Path., v. 83 (3), 369-375
Eimeria brunetti, chickens experimentally infected at 2 different dose rates, physiopathological changes, plasma protein and electrolyte alterations, weight loss

Pathology, Protozoa
Alva Correa, J. J., 1971, Medicina, Buenos Aires, v. 31 (4), 301-308
pathologic and physiologic changes resulting from Chagasic megaesophagus in dogs exper. infected with Trypanosoma cruzi

Pathology, Protozoa
Alvarado Cerna, R., 1973, Prensa Med. Mexicana, v. 38 (5-6), 153-158
Entamoeba histolytica, human invasive cutaneous forms, clinical aspects, pathology, case reports

Pathology, Protozoa
Amuchastegui, L. M.; Alday, L. E.; and Moreyra, E., 1976, Medicina, Buenos Aires, v. 36 (2), 121-126
cardiac sinus node disfunction and its clinical management in patients affected with chronic Chagasic cardiopathology

Pathology, Protozoa
Anderson, W. I.; et al., 1976, Avian Dis., v. 20 (4), 752-755
Eimeria tenella, chickens (exper.), life-cycle stages in bursa of Fabricius, histological examinations

Pathology, Protozoa
Anderson, W. I.; et al., 1977, Avian Path., v. 6 (2), 125-130
Eimeria meleagrimitis, E. gallopavonis, E. adenoeides, turkey poults, altered intestinal pH values

Pathology, Protozoa
Angus, M. G. N.; Fletcher, K. A.; and Maegraith, B. G., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 419-427
Plasmodium knowlesi-infected Macaca mulatta, changes in liver lipids

Pathology, Protozoa
Anh, D. H., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 34-38
Entamoeba histolytica, histopathologic examination of 4 amoebic granulomas excised surgically from human colons

Pathology, Protozoa
Annable, C. R.; and Ward, P. A., 1974, J. Immunol., v. 112 (1), 1-8
Babesia rodhaini, rats, presence of proliferative glomerulitis, this renal complication is associated with glomerular deposits of IgG and third component of complement in pattern diagnostic for soluble immune complex-induced nephritis

Pathology, Protozoa
Anselmi, A.; and Moleiro, F., 1972, Arch. Inst. Cardiol. Mexico, v. 42 (4), 622-628
Trypanosoma cruzi, humans, clinical cardiopathology

Pathology, Protozoa
Arakelian, L. A.; et al., 1975, Biol. Zhurnal Armenii, v. 38 (7), 86-89
trypanosomiasis, mice (exper.), disturbance of electrolytic homeostasis, changes in concentration of sodium and potassium in muscles and various organs

Pathology, Protozoa
Areekul, S.; et al., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 505-510
P[lasmodium] falciparum in humans, P. knowlesi in Macaca mulatta, serum haptoglobin levels during course of infection and after treatment, fall and rise of haptoglobin levels were in parallel with changes of hemoglobin concentrations, alterations probably due to hemolysis and increased phagocytic activity

Pathology, Protozoa
Areekul, S.; et al., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (4), 474-480
Plasmodium knowlesi in Macaca mulatta, alteration of liver blood flow and phagocytic activity of reticuloendothelial system in infected monkeys with return to normal values after recovery

Pathology, Protozoa
Areekul, S.; Kanakakorn, K.; and Kasemsuthi, R., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (2), 261-262
Plasmodium coatneyi in Macaca mulatta (exper.), mechanism of intravascular haemolysis occurring in infected monkeys

Pathology, Protozoa
Areekul, S.; Kanakakorn, K.; and Kasemsuth, R., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 584 [Demonstration]
Plasmodium coatneyi, estimates of fraction of intravascular haemolysis taking place in a continuing process of haemolysis during course of infection in Macaca mulatta (exper.)

Pathology, Protozoa
Arribada, A.; et al., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 22-32
survey of patients with cardiomyopathies established Toxoplasma gondii as frequent etiologic agent with mixed infection of toxoplasmosis and Chagas disease discovered in one person

Pathology, Protozoa
Artigas, J.; Otto, I.; and Kawada, M. E., 1966, Bol. Chileno Parasitol., v. 21 (4), 114-118
Entamoeba histolytica, pathologic effects of motile trophozoites on human leucocytes compared with non-motile E. moshkovskii and another free-living amoeba both of which showed no action in blood cells; possible use in differentiating E. histolytica from E. hartmani

Pathology, Protozoa
Ayala, S. C.; and Spain, J. L., 1976, J. Parasitol., v. 62 (2), 177-189
Plasmodium colombiense sp. n. in Anolis auratus, host blood pictures, parasitemia, parasite structure and structural variance, infection states, host population structure, epidemiology: western Colombia (Cauca River valley basin)

Pathology, Protozoa
Babu, K. S. J.; Seshadri, S. J.; and Mohiyuddeen, S., 1976, Indian Vet. J., v. 53 (1), 47-54
coccidiosis, poultry, field cases, diagnosis, pathology, relationship of infection to age and sex of host

Pathology, Protozoa
Baker, J. R.; and Taylor, A. E. R., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 471-485
Trypanosoma brucei brucei- and T. brucei rhodesiense-infected Pan troglodytes (exper.), course of infection, serologic relationships between trypanosome species and strains, blood changes, cerebrospinal fluid changes, post-mortem observations

Pathology, Protozoa
Balauca, N., 1976, Arch. Exper. Vet.-Med., v. 30 (6), 903-912
Eimeria acervulina, E. necatrix, and E. mitis in cage-kept hens (exper.), mixed infections with Clostridium perfringens causing necrotic enteritis, little pathologic changes from mono-infections

Pathology, Protozoa
Banner, E. A., 1974, Med. Clin. North Am., v. 58 (4), 759-768
human Trichomonas vaginalis vaginitis, clinical aspects, pathology, diagnosis, review

Pathology, Protozoa
Barrowman, P. R., 1976, Onderstepoort J. Vet. Research, v. 43 (2), 55-65
Trypanosoma equiperdum in naturally infected horses, transmission studies, clinical symptoms and lesions, localization of parasite, host immune response, methods for parasite detection, varying results of chemotherapy with MSbE; attempts to infect rats, rabbits, and a dog were unsuccessful: South Africa

Pathology, Protozoa
Basson, P. A.; McCully, R. M.; and Bigalke, R. D., 1970, Onderstepoort J. Vet. Research, v. 37 (2), 105-126
Besnoitia besnoiti, development and pathology of bovine strains in cattle (exper.) and of bovine and antelope strains in rabbits (exper.), macroscopic and microscopic lesions, chronic and acute infections

Pathology, Protozoa
Bedell, D. M., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 59-60
Anaplasma marginale, pathogenesis, brief review of recent work

Pathology, Protozoa
Belehu, A.; and Turk, J. L., 1976, Infect. and Immun., v. 13 (4), 1235-1241
Leishmania enriettii, establishment of self-healing type of cutaneous leishmaniasis in hamsters, course of infection, immunopathological response, useful model

Pathology, Protozoa
Bendele, R. A.; Schwartz, W. L.; and Jones, L. P., 1976, Southwest. Vet., v. 29 (3), 244-246
cytauxzoonosis-like disease, cats (lungs, brain, liver, lymph nodes), case reports, histopathology: southeastern and central Texas

Pathology, Protozoa
Benz, G. W.; and Ernst, J. V., 1976, Am. J. Vet. Research, v. 37 (8), 895-899
Cooperia punctata and/or Eimeria bovis-infected calves, reduced alkaline phosphatase activities in intestinal mucosa

Pathology, Protozoa
Berden, J. H. M.; Koene, R. A. P.; and Meuwissen, J. H. E. T., 1977, Trop. and Geogr. Med., v. 29 (1), 117 [Abstract]
P[lasmodium] falciparum, case report of human with falciparum malaria and renal insufficiency due to acute tubular necrosis, conclusion that complement mediated vascular injury and intravascular coagulation secondary to this damage play important role in severity of infections

Pathology, Protozoa
Beverley, J. K. A., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 1-25
Toxoplasma gondii, review: the parasite; clinical manifestations in man; comparative pathology; epidemiology

Pathology, Protozoa
Beverley, J. K. A.; et al., 1976, J. Hyg., Cambridge, v. 76 (2), 215-228
Toxoplasma gondii, human toxoplasmic lymphadenopathy, age-sex relationships, British patients compared with other European cases

Pathology, Protozoa
Bittencourt, A. L., 1976, Am. J. Dis. Child., v. 130 (1), 97-103
Trypanosoma cruzi, human congenital Chagas infection, clinical and pathologic review

Pathology, Protozoa
Boemare, N.; and Maurand, J., 1976, Bull. Soc. Zool. France, v. 101 (3), 377-385
Thelohania fibrata, Pleistophora debaisieuxi, respiratory metabolism of healthy and infected Tetisimulium bezzii larvae compared

Pathology, Protozoa
Boonpucknavig, S.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 410-415
Plasmodium berghei berghei, chronological development in tissue of infected mice described by means of immunofluorescent and histological study, change in morphological appearance of immunofluorescent-stained parasites from early to late stage of infection

Pathology, Protozoa
Boonpucknavig, S.; et al., 1976, J. Nat. Research Council Thailand, v. 8 (1), 51-66
Plasmodium berghei, mice, immune complex nephritis, clinical, histopathological and immunofluorescent studies

Pathology, Protozoa
Boonpucknavig, S.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (6), 116-119
serum soluble malaria antigen probably responsible for soluble immune complex causing glomerulonephritis in Plasmodium berghei berghei-infected mice

Pathology, Protozoa
Boorman, G. A.; et al., 1973, Lab. Animal Sc., v. 23 (2), 187-193
Hexamita muris, Giardia muris, potentially pathogenic in newly weaned mice, causing enteritis and mortality in association with normal intestinal bacterial flora, quinacrine dihydrochloride not effective in reducing mortality, dimetridazole effective

Pathology, Protozoa
Boreham, P. F. L.; and Facer, C. A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 153 [Abstract]
T[rypanosoma] brucei, rabbits (exper.), changes in plasma fibrinogen concentration during infection, possible relationships to disease pathologic features

Pathology, Protozoa
Boreham, P. F. L.; and Facer, C. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 274 [Abstract]
Trypanosoma brucei, experimental rabbits, changes in blood viscosity

Pathology, Protozoa
Boreham, P. F. L.; and Wright, I. G., 1976, Parasitology, v. 73 (2), xxxi [Abstract]
Trypanosoma brucei, rabbits, hypotension, possibly caused by trypanosome-antibody complexes and mediated by kallikrein

Pathology, Protozoa
Bos, H. J.; and Hage, A. J., 1975, Ztschr. Parasitenk., v. 47 (2), 79-89
Entamoeba histolytica, virulent and carrier strains from humans, cultured axenically or with bacteria or Crithidia or passaged through hamster liver, varying virulence in experimental hamster liver infections

Pathology, Protozoa
Botros, B. A. M.; Moch, R. W.; and Barsoum, I. S., 1975, Am. J. Vet. Research, v. 36 (3), 293-296
Babesia gibsoni, splenectomized and nonsplenectomized dogs (exper.), inoculation with fresh and preserved blood, prepatent period, clinical signs, duration of parasitemia, gross pathologic changes, clinicopathologic changes, histopathologic features, relationship of age of dogs to pathogenicity of infection

Pathology, Protozoa
Boulton, F. E.; Jenkins, G. C.; and Lloyd, M. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 153-154 [Abstract]
T[rypanosoma] brucei-infected rabbits, changes in clotting mechanism during infections and possible role of disseminated intravascular coagulation in causing hemolysis and anemia; increased production of clotting proteins

Pathology, Protozoa
Bowry, T. S.; and Cameron, H. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 439-443
schistosomiasis, amoebiasis, causes of liver pathology in early childhood in Kenya

Pathology, Protozoa
Bradley, D. J.; Poole, J.C.F.; and Lamb, R. M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 21-22 [Demonstration]
Leishmania donovani, mice, chronic visceral leishmaniasis, distribution of parasite in various organs, cellular specificity of infection of liver, some ultrastructural aspects of amastigotes

Pathology, Protozoa
Brandao, I. A.; Chammas, F.; and de Brito, T., 1967, Maternidade e Infancia, v. 26 (4), 391-394
Pneumocystis carinii, acute interstitial plasma cell pneumonia in children, clinical, radiological and pathological aspects of 77 cases

Pathology, Protozoa
Bray, R. S.; and Harris, W. G., 1977, Clin. and Exper. Immunol., v. 29 (1), 147-151
Entamoeba histolytica, guinea pigs, cellular immune responses to amoebic liver abscess, no dermal hypersensitivity but positive lymphocyte transformation and macrophage-migration inhibition, time sequence of responses, role of immunodepression unclear

Pathology, Protozoa
Breed, G. M.; and Olson, R. E., 1977, J. Invert. Path., v. 30 (3), 387-405
Pleistophora crangoni n. sp. in Crangon spp., prevalence and intensity in relation to season and host size, parasitic castration of females, shift in host sex ratio toward females, unsuccessful laboratory transmission experiments, spread of infection through shrimp, infected shrimp succumbed to low oxygen stress before uninfected shrimp, histopathology

Pathology, Protozoa
de Brito, T.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 9-18
light, immunofluorescent and electron microscopic study of pathogenetic mechanism of glomerular lesions found in human leishmaniasis, immune complexes trapped within glomerular capillaries

Pathology, Protozoa
Brocklesby, D. W.; and Sellwood, S. A., 1973, Research Vet. Sc., v. 14 (1), 47-52
Haemaphysalis punctata collected from vegetation in Kent and Essex transmitted Babesia major to splenectomised calves, infections produced were relatively mild, Babesia major is not a likely cause of disease in British cattle

Pathology, Protozoa
Brown, L. A.; and Losos, G. J., 1977, Research Vet. Sc., v. 23 (2), 196-203
Trypanosoma congolense and T. brucei, comparative pathology in both bled and non-bled albino rats (exper.): parasitemia, packed cell volumes, weight of spleen and lymph, histology of thymus, spleen, lymph nodes, and bone marrow

Pathology, Protozoa
Brownstein, D. G.; et al., 1977, Vet. Path., v. 14 (6), 606-617
Cryptosporidium in snakes, severe hypertrophic gastritis, pathological changes: Baltimore Zoo, Baltimore, Maryland [and/or] National Zoological Park, Washington, D.C.

Pathology, Protozoa
Bryceson, A. D. M., 1975, Symposia Brit. Soc. Parasitol., v. 13, 85-100
mechanisms of disease in leishmaniasis, extensive review with some previously unpublished results: host-parasite specificity; prevention or evasion of immune response; role of immune response in production of disease; healing; immunity to reinfection

Pathology, Protozoa
Bryceson, A. D. M.; Bray, R. S.; and Dumonde, D. C., 1974, Clin. and Exper. Immunol., v. 16 (2), 189-201
Leishmania enriettii, guinea pigs inoculated with graded doses, relationship between clinical course of infection and immunological response, selective suppression of cell-mediated immunity, extent of delayed hypersensitivity closely related to degree of host resistance, role of humoral antibody less clear

Pathology, Protozoa
Buengener, W., 1975, Tropenmed. u. Parasitol., v. 26 (3), 285-290
Plasmodium berghei-infected mice (exper.), added infection of Trypanosoma musculi results in rapid multiplication of trypanosome parasites with distribution into multiple body organs and tissues, infection course

Pathology, Protozoa
Buengener, W.; and Mehlitz, D., 1976, Tropenmed. u. Parasitol., v. 27 (4), 405-410
Trypanosoma brucei, experimentally infected Capra ibex s. hircus (Herzmuskel, Haut, Skelettmuskulatur, Niere, Fett- und Bindegewebe), severe infection resulting in death

Pathology, Protozoa
Buengener, W.; and Mehlitz, D., 1977, Tropenmed. u. Parasitol., v. 28 (2), 175-180
Leishmania donovani, dogs (exper.), unusual pathologic reactions with histiocytic granulomas in liver and skin biopsies, tumor-like formations on heart, lung, liver, kidney, pancreas and muscle and with development of amyloidosis

Pathology, Protozoa
Burke, B. A.; and Good, R. A., 1973, Medicine, Baltimore, v. 52 (1), 23-51
review of case histories and pathologic findings in 46 patients with Pneumocystis carinii infections, comparison of mode of clinical onset, methods of diagnosis, response to therapy and known immunologic features, extensive literature review, morphologic description of organism

Pathology, Protozoa
Burke, J. A., 1977, C. R. C. Crit. Rev. Clin. Lab. Sc., v. 7 (4), 373-391
Giardia lamblia, extensive review of human giardiasis (history, life cycle, morphology, epidemiology, pathology, diagnosis, control, treatment)

Pathology, Protozoa
Campelli, A.; and Agnese, G., 1971, Pathologica (923-924), v. 63, 241-244
human congenital toxoplasmosis, clinical and pathological findings in review of 29 case histories

Pathology, Protozoa
Campo-Aasen, I.; Aleman, C.; and Torrealba, J. W., 1975, Acta Cien. Venezolana, v. 26 (5), 159-169
Leishmania, hairless mouse, paravertebral muscle, ultrastructure, pathology, mitochondria alteration, cellular defensive activity

Pathology, Protozoa
Candreviotis, N., 1977, Ang. Parasitol., v. 18 (1), 41-48
Entamoeba histolytica, autopsy, histopathology, colon lesions due to amoebic motility and lytic secretions; liver lesions (granulomas and necrotic areas) as residues of destroyed amoebae

Pathology, Protozoa
Canning, E. U.; Lai Peng Foon; and Lie Kian Joe, 1974, J. Protozool., v. 21 (1), 19-25
microsporidian parasites of trematodes from aquatic snails, pathology: West Malaysia

Pathology, Protozoa
Capbern, A.; et al., 1977, Ann. Parasitol., v. 52 (3), 237-251
Trypanosoma equiperdum, 2 strains giving rise to different clinical disease in rabbits (exper.), aspects of immune response (specific antibodies, hypermacroglobulinemia, anti-fibrinogen auto-antibodies) and coagulation disorders

Pathology, Protozoa
Capris, T. A.; Barcat, J. A.; and Fernandez Moores, A. J., 1969, Medicina, Buenos Aires, v. 29 (2), 93-104
necropsy findings of 16 cases of human Trypanosoma cruzi with special emphasis on cardiac lesions

Pathology, Protozoa
Capris, T. A.; Fernandez Moores, A. J.; and Barcat, J. A., 1969, Medicina, Buenos Aires, v. 29 (5), 339-345
Trypanosoma cruzi, cardiac insufficiency in human myocarditis, evaluation of accompanying arrhythmias and other resulting pathology

Pathology, Protozoa
Carayon, A.; and Bezes, H., 1975, Medecine Trop., v. 35 (2), 123-130
acute necrotic amoebic colitis, pathology, clinical management, surgical measures

Pathology, Protozoa
Carayon, A.; and Gargaratchi, 1975, Medecine Trop., v. 35 (2), 169-173
pathologic sequellae after recovery from severe human amoebic colitis, case reports

Pathology, Protozoa
Carbo'Baptista, N.; Larbier, M.; and Yvore, P., 1976, Avian Path., v. 5 (3), 187-194
Eimeria acervulina, chicks, decreased intestinal absorption of ^{14}C L-lysine and water accompanied by an increase in tissue water content and in secretion rate of mineral ions (Na$^+$ and K$^+$)

Pathology, Protozoa
Cardenas-Ramirez, L.; Tay, J.; and Salazar-Schettino, P. M., 1975, Rev. Invest. Salud Pub., Mexico, v. 35 (2), 131-153
histopathologic changes in mice infected with 6 Mexican strains of Trypanosoma cruzi

Pathology, Protozoa
Carpio, J., 1972, Rev. Invest. Pecuarias, v. 1 (2), 177-183
Babesia equi, isolation from race horses, course of experimental infection in splenectomized and normal horses, first finding in Peru: Lima

Pathology, Protozoa
Chakrabarti, A.; et al., 1977, Indian J. Animal Health, v. 16 (1), 57-58
coccidiosis outbreak in Black Bengal kids, pathology: Baramunda village, Bhubaneswar (Orissa)

Pathology, Protozoa
Chapman, W. E.; and Ward, P. A., 1976, J. Immunol., v. 116 (5), 1284-1288
Babesia rodhaini-infected rats, metabolism of third component of complement and IgG, development of hypocomplementemia and immune complex nephritis

Pathology, Protozoa
Chavarria Gonzalez, S.; and Rivera Reyes, H. H., 1976, Prensa Med. Mexicana, v. 41 (3-4), 76-83
Entamoeba histolytica, humans, resulting in intestinal perforation, review of 55 cases, clinical aspects, pathology: Mexico

Pathology, Protozoa
Chmielewski, J., 1975, Mater. Med. Pol. (24), v. 7 (3), 234-236
Plasmodium falciparum, disseminated intravascular clotting syndrome as complication of human malaria, clinical aspects and management

Pathology, Protozoa
Chute, A. M.; and Lund, E. E., 1972, J. Protozool., v. 19 (4), 639-643
Histomonas meleagridis in Numida meleagris (exper.), severe infections following inoculation by rectal route, much less severe response to natural route of infection (ingestion of Heterakis gallinarum eggs or earthworms carrying H. gallinarum and Histomonas meleagridis)

Pathology, Protozoa
Clark, K. A., 1973, J. Wildlife Dis., v. 9 (2), 182-193
Hepatozoon procyonis, high prevalence in Procyon lotor (blood, myocardium, skeletal muscle, spleen), probable accidental infection of Odocoileus virginianus (myocardium), increased numbers of gametocytes following splenectomy or corticosteroid treatment of raccoons, lesions associated with hepatozoonosis: Texas

Pathology, Protozoa
Clarkson, M. J., 1976, Pathophysiol. Parasit. Infect., 171-182
trypanosomiasis of man and animals, IgM levels, possible role of IgM in pathogenesis, mechanism of increased IgM

Pathology, Protozoa
Commichau, C.; and Jonas, D., 1977, Zentralbl. Vet.-Med., Reihe B, v. 24 (8), 662-667
Leucocytozoon simondi in Cairina moschata (Herz, Lunge, Leber, Niere, Dunndarm), histopathology: Deutschland

Pathology, Protozoa
Conder, G. A.; and Duszynski, D. W., 1977, J. Parasitol., v. 63 (2), 206-209
Eimeria nieschulzi, oocysts exposed to heat and/or Co-60 gamma-radiation, attenuation, reduced pathogenesis, subsequent immunity to challenge, rats

Pathology, Protozoa
Corbeil, L. B.; et al., 1976, Clin. Immunol. and Immunopathol., v. 6 (2), 165-173
canine visceral leishmaniasis with amyloidosis, immunopathological case report, inappropriate increase in humoral response and decrease in cell-mediated immunity: New York State; imported from Greece

Pathology, Protozoa
Cordero del Campillo, M.; et al., 1974, An. Fac. Vet. Leon, v. 20, 23-34
Babesia equi, pathology, review of Spanish and Portuguese literature, list of ticks considered present and responsible as vectors in Iberian Peninsula
horse: Leon (NW Spain)

Pathology, Protozoa
Cordero del Campillo, M.; et al., 1974, Trab. Estac. Agric. Exper. Leon, v. 11, 11-22
Babesia equi, horse, pathology: Leon (NW Spain)

Pathology, Protozoa
Cornet, L.; et al., 1975, Medecine Trop., v. 35 (2), 135-147
human malignant amoebic colitis, case reports, clinical and pathologic findings, surgical intervention

Pathology, Protozoa
Corrier, D. E.; and Adams, L. G., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 60-65
Anaplasma marginale, Babesia bigemina, concurrent infections in calves (exper.), clinical course, serological response, pathological manifestations

Pathology, Protozoa
Cossio, P. M.; et al., 1977, Am. J. Path. (418), v. 86 (3), 533-544
Trypanosoma cruzi, immunopathologic and morphologic studies of chagasic cardiopathy, deposits of immunoglobulins found at plasma membrane of working myocardial and endothelial cells, cytologic location of bound gammaglobulin coincident with specificity of circulating antibodies; findings suggest the possibility that lymphocyte-mediated immune response against heart tissue may participate in some of pathogenetic mechanisms of chronic cardiopathy

Pathology, Protozoa
Cox, H. W.; and Calaf-Iturri, G., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 73-79
Haemobartonella muris in rats, Eperythrozoon coccoides in mice, production of essentially same disease characterized by anemia with splenomegaly and erythrophagocytosis associated with presence of cold-active haemagglutinin, serum antigen, and antibody to serum in blood

Pathology, Protozoa
Cox, J. C.; Walden, N. B.; and Nairn, R. C., 1972, Research Vet. Sc., v. 13 (6), 595-597
Nosema cuniculi, rabbits (urine, kidneys), clinical aspects and mortality, presumptive diagnosis using immunofluorescence technique: laboratory colony

Pathology, Protozoa
Crane, G. G.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 308-314
malarial antibodies compared in New Guineans with tropical splenomegaly syndrome and normal controls; results of study cannot implicate any one species of Plasmodium in production of this pathological condition

Pathology, Protozoa
Crompton, D. W. T., 1976, Proc. 11. Poultry Sc. Symp., 193-245
gastrointestinal parasites, Gallus gallus, review; Eimeria spp., extensive study of pathologic changes in host alimentary tract

Pathology, Protozoa
Current, W. L.; and Janovy, J., jr., 1976, J. Parasitol., v. 62 (6), 975-981
Henneguya exilis, interlamellar infections in Ictalurus punctatus, ultrastructural aspects (plasmodium wall structure, interactions between plasmodium and adjacent basal cells of host, apparent parasite-induced cytoarchitectural rearrangements of basal cells): Lake Keystone, Keith County, Nebraska

Pathology, Protozoa
Daborn, G. R., 1976, Canad. J. Zool., v. 54 (7), 1161-1164
Nosema n. sp. in Branchinecta gigas and B. mackini, brief epizootics (May-June, 1970, 1971, 1972), host mortality, no effect on host egg production; possibly caused by or resulting in brief (1970, 1971) infection of Daphnia similis: Fleeinghorse Lake, Alberta

Pathology, Protozoa
Dalgliesh, R. J.; et al., 1976, Exper. Parasitol., v. 40 (1), 124-131
Babesia argentina, calves (exper.) given betamethasone, fatal pulmonary edema, hematological changes, histopathology, findings established occurrence of disseminated intravascular coagulation

Pathology, Protozoa
Dalgliesh, R. J.; et al., 1977, Research Vet. Sc., v. 23 (1), 105-108
Babesia bovis, Bos taurus (exper.), protamine sulphate test as a screening test for disseminated intravascular coagulation

Pathology, Protozoa
Dasgupta, B.; and Pal, N., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 173 [Letter]
malaria parasite, tentatively identified as Hepatocystis rayi wui, merocysts in form of prominent white nodules in lung of Petaurista magnificus: Darjeeling, India

Pathology, Protozoa
Davidson, W. R.; and Calpin, J. P., 1976, J. Wildlife Dis., v. 12 (1), 72-76
Hepatozoon griseisciuri, location and pathogenicity of schizogonic stages, age and sex of host (gray squirrel), seasonal distribution, pathology: southeastern United States

Pathology, Protozoa
DeMartini, J. C.; and Moulton, J. E., 1973, J. Comp. Path., v. 83 (3), 281-298
Theileria parva, cattle (exper.), origin of parasitized lymphoblasts, routes of their metastasis, ultrastructural features of affected lymph nodes and parasitized cells

Pathology, Protozoa
DeMartini, J. C.; and Moulton, J. E., 1973, J. Comp. Path., v. 83 (3), 299-306
Theileria parva, calves (exper.), lymph samples collected from tracheal vs. thoracic lymph ducts at various stages of East Coast fever, comparison of prevalence of parasitized cells, number of mitoses, and size distribution of lymphocytes

Pathology, Protozoa
Desmonts, G., 1976, Mod. Problems Ophth., v. 16, 228-232
toxoplasmic uveitis in humans, immunopathology studies suggest that ocular toxoplasmosis is generally congenital

Pathology, Protozoa
Desowitz, R. S., 1970, Immun. Parasitic Animals (Jackson, Herman and Singer), v. 2, 551-596
immunology of African trypanosomes, review

Pathology, Protozoa
Dobos-Kovacs, M.; and Kardevan, A., 1976, Magy. Allat. Lapja, v. 98, v. 31 (1), 53-61
Toxoplasma, dogs, case histories and histopathology of generalized infection, tachyzoites, concurrent with distemper, generalized form of toxoplasmosis may be regarded as secondary infection associated mainly with distemper, reduced resistance making its manifestation possible

Pathology, Protozoa
Dochovski, M.; Kotevski, D.; and Konjanovski, D., 1970, Makedon. Med. Pregl., v. 25 (1), 7-20
human congenital and acquired toxoplasmosis, clinical review, diagnosis, eye pathology

Pathology, Protozoa
Dolan, T. T.; and Carr, K. E., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 274-275 [Demonstration]
Babesia rodhaini-infected rat erythrocytes, light and electron microscopic scanning of cells for damage, good correspondence between damage and percentage of parasitemia

Pathology, Protozoa
Donaldson, M.; et al., 1975, Am. J. Vet. Research, v. 36 (6), 807-817
reptilian amebiasis, fatal epizootic, possible cause of many previous snake deaths, pathologic changes, probable mode of introduction and spread, treatment (metronidazole successful) and prophylaxis, amebae identified as or presumed to be Entamoeba invadens: Steinhart Aquarium, California Academy of Sciences, Golden Gate Park, San Francisco

Pathology, Protozoa
Duncanson, F. P.; et al., 1977, J. Trop. Med. and Hyg., v. 80 (3), 52-58
mice (exper.) with acute Chagasic myocarditis showed decreased blood trypanosome counts and decreased cardic inflammation and necrosis when administered sodium salicylate at onset of parasitemia

Pathology, Protozoa
Dykova, I.; and Lom, J., 1977, J. Protozool., v. 24 (4), 50A [Abstract]
Glugea anomala, tissue response in Gasterosteus aculeatus (exper.), site of infection differed according to route of spore administration, characteristics of xenomas

Pathology, Protozoa
El-Zayadi, A. M.; Hartmann, M. G.; and Mohr, W., 1976, J. Trop. Med. and Hyg., v. 79 (6), 120-122
patterns of liver function and blood protein abnormalities in human chronic amoebiasis and amoebic hepatic abscess

Pathology, Protozoa
Enigk, K.; and Dey-Hazra, A., 1976, Vet. Parasitol., v. 2 (2), 177-185
Eimeria necatrix, chickens, maltase and saccharase activity of intestinal mucosa during mild and severe infections

Pathology, Protozoa
Erp, E. E.; and Fahrney, D., 1976, Am. J. Vet. Research, v. 37 (5), 607-609
Anaplasma marginale, splenectomized cattle, increases in serum concentration of phagocytosis-stimulating factor and acceleration of erythrophagocytosis; factor may be new hormone

Pathology, Protozoa
Facer, C. A., 1976, J. Comp. Path., v. 86 (3), 393-408
Trypanosoma brucei, rabbits (exper.), blood hyperviscosity primarily determined by plasma concentration of macroglobulin and fibrinogen, pathology

Pathology, Protozoa
Fajardo, L. F., 1973, Nature (5405), v. 243, 298-299
Plasmodium falciparum, P. vivax, human, ultrastructural changes in blood platelets; P. berghei, mice (exper.), presence of parasites in platelets

Pathology, Protozoa
Farley, C. A., 1975, J. Protozool., v. 22 (3), 418-427
Minchinia nelsoni in Crassostrea virginica, epizootiologic relationships concerning parasite life cycle, pathologic effects on host, and effects of physical factors: mortality, incidence, seasonal prevalence of progressive disease stages, gross and histopathology, salinity and temperature effects, differences in host susceptibility between native and introduced hosts: Chesapeake Bay, Maryland

Pathology, Protozoa
Fayer, R.; Johnson, A. J.; and Lunde, M., 1976, J. Infect. Dis., v. 134 (6), 624-628
Sarcocystis fusiformis, field bred cows (exper.), clinical and pathological signs of infection, occurrence of abortions, no evidence of congenital transmission to calves or fetuses; Sarcocystis may play significant role in bovine abortions

Pathology, Protozoa
Fayer, R.; Mahrt, J. L.; and Johnson, A. J., 1973, J. Protozool., v. 20 (4), 509
Sarcocystis fusiformis, life cycle and pathogenic effects in calves (exper.)

Pathology, Protozoa
Ferguson, D. J. P.; Hutchison, W. M.; and Siim, J. C., 1976, Acta Path. et Microbiol. Scand., v. 84B (4), 189-195
effect of endo-enteric development of Toxoplasma gondii on the ultrastructure of epithelial cells of the small intestine of infected cats

Pathology, Protozoa
Ferguson, H. W.; and Adair, B. M., 1977, Vet. Rec., v. 100 (8), 158-159
Protozoa in Salmo gairdneri, possible agent of proliferative kidney disease: northern Irish farm

Pathology, Protozoa
Ferguson, H. W.; and Roberts, R. J., 1976, Prog. Exper. Tumor Research, v. 20, 212-216
Sporozoa [sp.] existing within lymphoma-like condition affecting 2-year-old Scophthalmus maximus being raised at a marine culture unit, causal relationship not established but possibly the neoplastic condition provided suitable altered environment for proliferation of the protozoan parasites: Scotland

Pathology, Protozoa
Ferris, D. H.; Beamer, P. D.; and Stutz, D. R., 1973, Avian Dis., v. 17 (1), 12-23
Plasmodium gallinaceum, response to exper. infection in dysgammaglobulinemic chickens compared to infected sham bursectomized and intact birds: parasitemia, histopathology; results indicate that resistance to initial infection is related to bursa-mediated defenses and humoral factors have a role in protection against malaria

Pathology, Protozoa
de Figueiredo, N.; et al., 1968, Bol. Chileno Parasitol., v. 23 (1-2), 57-59
intestinal histopathology as ascertained by oral biopsies, common human intestinal parasites

Pathology, Protozoa
Fitzgerald, P. R.; and Mansfield, M. E., 1973, J. Protozool., v. 20 (1), 121-126
Eimeria bovis, Holstein-Friesian calves (exper.), monensin incorporated in pelleted feed protected against severe clinical coccidiosis, observations on oocyst discharge in feces, clinical signs, weight gains, food consumption, hemoglobin, packed cell volume, total serum protein, sodium and potassium content of serum, and differential white cell count

Pathology, Protozoa
Fleury, F. J.; et al., 1977, Am. J. Obst. and Gynec., v. 128 (3), 320-322
Trichomonas vaginalis, symptomatic trichomonal vaginitis, both women and their male consorts treated with single dose metronidazole therapy, treatment effective, well-tolerated and less expensive than current recommended regimens

Pathology, Protozoa
Franco Ramirez, G.; Perez Norzagaray, J.; and de Saade, M. T., 1970, Pediatria, Bogota, v. 11 (4), 379-384
amoebiasis in nursing infants causing acute diarrhea, established as clinically distinct form from that of adults, diagnosis, pathology, clinical aspects: Colombia

Pathology, Protozoa
Frelier, P.; et al., 1977, Science (4284), v. 195, 1341-1342
Sarcocystis, 8 yearling dairy heifers, clinical and hematologic findings, histologic demonstration of schizonts, serologic evidence confirmed diagnosis, resident farm dog incriminated as source of infection, possible economic impact of acute sarcocystosis causing poor growth rate or death: Seneca County, central New York State

Pathology, Protozoa
Frenkel, J. K., 1976, National Cancer Inst. Monograph (43), 13-30
"there is justification to regard Pneumocystis from rats and man as different species. . . that from humans is designated P. jiroveci n. sp. . . . no significant morphologic differences between the two species are recognized; the separation rests on apparent species specificity and serologic differences.", morphology, physiology and immunology in relation to pathology

Pathology, Protozoa
Galhotra, A. P.; et al., 1977, Indian Vet. J., v. 54 (8), 599-601
anaplasmosis, cattle, pathological changes, post-morten examination

Pathology, Protozoa
Gattaponi, P., 1972, Parassitologia, v. 14 (2-3), 311-316
Thelohanella pyriformis, infection of tench, Tinca tinca, vegetative stages most commonly on gills, description on gills, acid mucopolysaccharides in polar cyst walls, no appreciable damage, seasonal distribution irregular, limnological data not correlated with variation in localization and dimensions: Lake Trasimeno

Pathology, Protozoa
Gautam, O. P.; et al., 1975, Haryana Vet., v. 14 (2), 94-100
T[heileria] hirci, morphology, sheep, case history, pathology, diagnosis, steclin, berenil, nivaquine, fair results: Hissar, transferred to Kameri

Pathology, Protozoa
Gautam, O. P.; and Dwivedi, S. K., 1976, Indian Vet. J., v. 53 (7), 546-551
Babesia equi, outbreak in mares, clinical pathology, diagnosis, treatment with Berenil, vectors, Hyalomma spp.

Pathology, Protozoa
George, C. R. P.; Parbtani, A.; and Cameron, J. S., 1976, J. Path., v. 120 (4), 235-249
Plasmodium berghei yoelii in mouse model, nephropathy and immunologic responses before and after antimalarial, immunosuppressive and anticoagulant therapy

Pathology, Protozoa
George, J. W.; et al., 1976, Vet. Path., v. 13 (5), 365-373
Leishmania [sp.] in Great Dane dog, case report, mixed infection with amyloidosis: New York, imported from Greece

Pathology, Protozoa
Gheorghescu, P.; et al., 1976, Med. Interne, Bucarest, v. 14 (1), 31-38
Giardia infections alone or in combination with Strongyloides or Taenia solium, absorption studies before and after treatment

Pathology, Protozoa
Gherman, I.; et al., 1970, Med. Int., Bucuresti, v. 22 (3), 335-344
giardiasis, Strongyloides stercoralis, attempt to establish parasitic duodenitis as a clinical entity

Pathology, Protozoa
Gill, B. S.; Bhattacharyulu, Y.; and Kaur, D., 1977, Ann. Parasitol., v. 52 (6), 597-608
Theileria annulata in Bos taurus x Bos indicus cross-bred calves, symptoms, sequence of appearance of parasite, pathology

Pathology, Protozoa
Girgla, H. S.; et al., 1977, Brit. J. Dermat., v. 97 (3), 307-311
L[eishmania] donovani, humans, post kala-azar dermal leishmaniasis, clinical case reports, variable responses to stibophen therapy, pathologic findings, difficulties differentiating from leprosy: Nepal; India

Pathology, Protozoa
Goodger, B. V., 1975, Ztschr. Parasitenk., v. 48 (1), 1-7
Babesia argentina, experimentally infected cattle dying from heavy infection, cold precipitable fibrinogen complex in plasma, possibly formed by proteolytic enzymes from parasite

Pathology, Protozoa
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protozoal infections, role of vasoactive amines and peptides in pathogenesis, review

Pathology, Protozoa
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Trypanosoma brucei, rabbits, serum and tissue fluid changes caused by infection

Pathology, Protozoa
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Pathology, Protozoa
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Plasmodium falciparum, children, depression of serum complement, results suggest complement activation occurs predominantly via the classical pathway and may contribute to vascular damage

Pathology, Protozoa
Greenwood, B. M.; and Whittle, H. C., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 390-394
Trypanosoma gambiense, human, no evidence of disseminated intravascular coagulation, moderate degree of thrombocytopenia, raised levels of fibrin degradation products; failure to produce thrombocytopenia in vitro

Pathology, Protozoa
Greenwood, B. M.; and Whittle, H. C., 1976, Clin. and Exper. Immunol., v. 24 (1), 133-138
Trypanosoma brucei gambiense, humans, evidence that complement activation plays a role in pathogenesis of Gambian sleeping sickness: low levels of complement components C3, C4, and factor B in sera, high serum IgM levels, possible formation of large molecular weight IgM complexes, increase in serum C3 levels after melarsoprol treatment

Pathology, Protozoa
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Eimeria necatrix, chickens with high levels of plasma corticosterone housed in environment of considerable social interaction had more active phagocytic defense and fewer schizonts than chickens with low levels of plasma corticosterone housed in environment with minimized social interaction

Pathology, Protozoa
Grys, E.; and Hernık, A., 1974, Polski Tygod. Lekar., v. 29 (7), 267-269
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Pathology, Protozoa
Gutierrez, Y.; et al., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 25-44
Plasmodium falciparum in splenectomized Aotus trivirgatus, histopathological picture, correlation of changes seen by light microscopy with those found by electron microscopy

Pathology, Protozoa
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Pathology, Protozoa
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Plasmodium falciparum, humans, pathophysiologic findings in severe infections, clinical management, guidelines for administration of chloroquine and quinine, extensive review

Pathology, Protozoa
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Pathology, Protozoa
Hartong, W. A.; and Arvanitakis, C., 1977, J. Am. Med. Ass., v. 237 (11), 1078-1079 [Letter]
Giardia lamblia in humans, diagnosis by duodenal aspiration to obtain mucosal smear imprint of small bowel biopsy specimens, pathologic changes, decreased or absent immunoglobulins, reversal of morphologic and biochemical changes after metronidazole or quinacrine hydrochloride therapy

Pathology, Protoza
Harvey, J. W.; and Gaskin, J. M., 1977, J. Am. Animal Hosp. Ass., v. 13 (1), 28-38
Haemobartonella felis, cats (exper.), hematology studies, time course of disease

Pathology, Protozoa
Hawking, F.; Wilson, A. J.; and Paris, J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 289 [Letter]
Trypanosoma congolense, effect of dexamethasone upon infection in calves, results suggest that anemia was not due to auto-immunization but probably due to direct toxic action of trypanosomes on blood

Pathology, Protozoa
Hayden, D. W.; King, N. W.; and Murthy, A. S. K., 1976, Vet. Path., v. 13 (5), 337-342
Frenkelia sp. cysts associated with granulomatous encephalitis, in laboratory-reared rats, spontaneous infection (brain, cervical spinal cord): Wilmington, Massachusetts

Pathology, Protozoa
Hazard, E.; and Fukuda, T., 1974, J. Protozool., v. 21 (4), 497-504
Stempellia milleri sp. n., host specificity, symptomology in mosquito host

Pathology, Protozoa
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coccidiosis of mammals and chickens, experimental infections, haemoglobin and haematocrit values, differential blood cell counts

Pathology, Protozoa
Hein, H. E., 1976, Exper. Parasitol., v. 39 (3), 415-421
Eimeria acervulina, E. brunetti, E. maxima, pathogenic effects of single vs. mixed infections with low doses of oocysts in chickens, changes in mean weight and oocyst output

Pathology, Protozoa
Helfer, D. H.; and Koller, L. D., 1976, Cornell Vet., v. 66 (3), 369-371
coccidial forms in intestinal polyps, lamb, probably only coincidental

Pathology, Protozoa
Hendrickse, R. G., 1975, Paediat. Indonesiana, v. 15 (3-4), 83-92
Plasmodium malariae in children as cause of immune complex nephritis probably involving an auto-immune process, treatment efforts still unsatisfactory

Pathology, Protozoa
Henry, L.; and Beverley, J. K. A., 1976, Virchows Arch., B Cell Path., v. 20 (1), 55-69
Toxoplasma gondii, mice, response of reticuloendothelial system to infection, changes in lymph nodes, spleen, and thymus induced by low virulence strain are indicative of immunological response but high virulence strain apparently has direct toxic effect which precludes adequate immunological response thereby allowing unrestricted proliferation and eventual host death

Pathology, Protozoa
Henry, L.; and Beverley, J. K. A., 1977, J. Comp. Path., v. 87 (1), 97-102
Toxoplasma gondii, rats, guinea pigs (both exper.), differences in host response to infection (serology, isolation of organism, histology)

Pathology, Protozoa
Herbert, W. J.; Mucklow, M. G.; and Lennox, B., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 4 [Demonstration]
Trypanosoma brucei subspp., primary cause of death in acute murine infection characterized by convulsions is hypoglycemia with associated undetermined pathology

Pathology, Protozoa
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Pathology , Protozoa
Hewitt, G. C.; and Little, R. W., 1972, N. Zealand J. Marine and Freshwater Research, v. 6 (1-2), 1-10
Myxosoma cerebralis, life cycle, pathology, disease control: Otago Acclimatisation Society Hatchery at Waitati near Dunedin, New Zealand

Pathology, Protozoa
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Toxoplasma gondii, rabbits (exper.), intraocular inoculation of cysts, pathology

Pathology, Protozoa
Hisano, S.; et al., 1973, Nippon Kyobu Shikkan Gakkai Zasshi (Japan. J. Thorac. Diseases), v. 11 (2), 79-89
Pneumocystis carinii, pathologic findings of 11 autopsies of persons with pneumocystic pneumonia associated with malignancies and steroid treatment, fine structure morphology of parasite: Japan

Pathology, Protozoa
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T[rypanosoma] congolense, T. brucei, rabbits infected and subsequently treated with diminazene aceturate, haematological indices, changes in circulating red cell volume and plasma volume, changes in erythropoiesis, red cell survival studies, dramatic effects of treatment on anemia, similar preliminary results with T. congolense in Zebu calves

Pathology, Protozoa
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Pathology, Protozoa
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Leishmania braziliensis braziliensis, growth and development in immunosuppressed hamsters and nude mice, pathology

Pathology, Protozoa
Hostounsky, Z.; and Kodys, F., 1975, J. Protozool., v. 22 (3), 62A-63A [Abstract]
Nosema gastroidei causing mortality in Leptinotarsa decemlineata (exper.)

Pathology, Protozoa
Houba, V., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 233-239
immunopathology mechanisms in protozoal infections, workshop report: malaria (nephropathies, splenomegaly); African trypanosomiasis

Pathology, Protozoa
Houba, V.; et al., 1976, Clin. Immunol. and Immunopathol., v. 6 (1), 1-12
Plasmodium brasilianum, P. malariae, P. falciparum, humans, Aotus monkeys, increased binding of malarial antibodies with sera, faster disappearance of this antibody from circulation, and its increased deposition in renal glomeruli, serum complement levels during progress of infection, important role of P. malariae in pathogenesis of chronic progressive nephropathies occurring in malarial areas

Pathology, Protozoa
Hooshmand-Rad, P., 1976, Research Vet. Sc., v. 20 (3), 324-329
Theileria annulata, intact susceptible calves, premune calves following splenectomy, pathogenesis of anemia, role of erythrocytic forms and schizonts, involvement of autoimmune reaction is proposed

Pathology, Protozoa
Hryniewiecka-Szyfter, Z.; and Banaszak, J., 1975, Bull. Soc. Amis Sc. et Let. Poznan, v. 15, s. D, 83-86
Nosema apis, histological investigation, mid-gut of infected bees (exper.), individual and mass feeding

Pathology, Protozoa
Hughes, W. T.; Sanyal, S. K.; and Price, R. A., 1976, National Cancer Inst. Monograph (43), 77-88
Pneumocystis carinii pneumonia in humans, differential diagnosis, clinical manifestations, pathophysiology of infection, close association with protein-calorie deprivations

Pathology, Protozoa
Huldt, G.; Gard, S.; and Olovson, S. G., 1973, Nature (5414), v. 244, 301-303
Toxoplasma gondii, mice, infection affects both anatomy and function of thymus, long-lasting depression of immunological reactivity

Pathology, Protozoa
Hussein, H. S., 1976, Ztschr. Parasitenk., v. 50 (2), 103-108
Babesia hylomysci, mice, ^{59}Fe labelling of hemoglobin demonstrating parasite's preference for mature erythrocytes, direct destruction of erythrocytes as main cause of anemia and autoimmune reaction as probable factor

Pathology, Protozoa
Hussein, H. S., 1977, J. Comp. Path., v. 87 (2), 161-167
Babesia hylomysci, mice (exper.), clinical signs, histopathology of liver

Pathology, Protozoa
Hussein, H. S., 1977, J. Comp. Path., v. 87 (2), 169-175
Babesia hylomysci, mice (exper.), histopathological changes in kidney

Pathology, Protozoa
Hutt, M. S. R.; and Voller, A., 1976, J. Trop. Med. and Hyg., v. 79 (5), 106-110
histopathology of hepatic changes in exper. Aotus monkeys and possible role of liver in immunologic response to malaria

Pathology, Protozoa
Ikede, B. O.; et al., 1977, Trop. Animal Health and Prod., v. 9 (2), 93-98
Trypanosoma brucei in Equus asini (exper.), clinical, haematological and pathological studies

Pathology, Protozoa
Ikede, B. O.; and Losos, G. J., 1972, Bull. Epizoot. Dis. Africa, v. 20 (3), 221-228
Trypanosoma brucei, dog, case report, diffuse non-suppurative meningo-encephalomyelitis associated with presence of large numbers of trypanosomes in brain, meninges and choroid plexus: Nigeria (imported from Britain)

Pathology, Protozoa
Ikede, B. O.; and Losos, G. J., 1975, J. Comp. Path., v. 85 (1), 23-31
Trypanosoma brucei, sheep (exper.), clinical signs

Pathology, Protozoa
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Trypanosoma brucei, sheep (exper.), cerebrospinal fluid changes, presence of trypanosomes in CSF in terminal stages

Pathology, Protozoa
Ikede, B. O.; and Losos, G. J., 1975, J. Comp. Path., v. 85 (1), 37-44
Trypanosoma brucei, sheep (exper.), hypophysial and other endocrine lesions

Pathology, Protozoa
Inferrera, C.; et al., 1973, Morgagni, v. 6 (2), 15-22
Leishmania tropica, fine structure morphology; histopathology of host cutaneous lesions

Pathology, Protozoa
van den Ingh, T., 1977, Tijdschr. Diergeneesk., v. 102 (20), 1210-1214 [Abstract of thesis]
Trypanosoma brucei brucei, rabbit, 3 distinguishable stages during course of infection, immunological response, pathomorphological changes

Pathology, Protozoa
van den Ingh, T. S. G. A. M.; et al., 1976, Research Vet. Sc., v. 21 (3), 264-270
Trypanosoma vivax, goats, pathology and pathogenesis, distinguishing acute and chronic forms, progression of symptoms in acute form

Pathology, Protozoa
Isoun, T. T.; and Anosa, V. O., 1974, Nigerian J. Animal Prod., v. 1 (2), 143-150
Trypanosoma vivax in sheep and goats (exper.), pathological changes in host reproductive organs; reduced reproductive capacity

Pathology, Protozoa
Isoun, T. T.; and Anosa, V. O., 1974, Tropenmed. u. Parasitol., v. 25 (4), 469-476
Trypanosoma vivax, sheep and goats (exper.), lesions in reproductive organs, implications for reproductive capacity of these animals in trypanosomiasis-endemic areas

Pathology, Protozoa
Jacobson, E.; Kubalska, J.; and Zytkiewicz, B., 1972, Pediat. Polska, v. 47 (6), 689-694
Lamblia intestinalis in children, D-xylose test to determine extent of intestinal malabsorption associated with infection

Pathology, Protozoa
Jadin, J. M.; Lambert, P. H.; and Comtesse, A., 1974, J. Protozool., v. 21 (3), 472 [Abstract]
Trypanosoma brucei, mice, acute infection, histopathology

Pathology, Protozoa
Jaroonvesama, N., 1972, Lancet, London (7744), v. 1, 221-223
Plasmodium falciparum, elevated fibrin-degradation products in serum of patients with severe falciparum infections suggest that intravascular coagulation is important intermediary mechanism in severe infection

Pathology, Protozoa
Jaroonvesama, N.; et al., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 419-424
human malaria, degree of changes in coagulation and serum fibrin degradation products varied with severity of infection in falciparum malaria and not at all in vivax malaria, therefore possibly result rather than cause of pathogenesis

Pathology, Protozoa
Jaroonvesma [sic], N.; and Maegraith, B. G., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 588 [Demonstration]
P[lasmodium] berghei, comparison of changes in color of liver and kidney of mice and rats (both exper.) infected with chloroquine sensitive and resistant strains

Pathology, Protozoa
Jayawardena, A. N.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 427 [Demonstration]
Plasmodium berghei yoelii, P. b. berghei in CBA mice, relationship between T-cell activity and pathology of parasitic infection

Pathology, Protozoa
Jenkins, G. C.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 154-155 [Abstract]
T[rypanosoma] brucei-infected rabbits, spleen possibly main destructive agent for red cells during infection and for sequestration of platelets

Pathology, Protozoa
Jennings, F. W.; et al., 1974, Research Vet. Sc., v. 16 (1), 70-76
Trypanosoma brucei, rats, mice, description of anemia, results indicative of hemolytic origin

Pathology, Protozoa
John, D. T.; and Martinez, A. J., 1975, J. Protozool., v. 22 (3), 39A [Abstract]
Naegleria fowleri, experimental primary amebic meningoencephalitis in mice inoculated intravenously

Pathology, Protozoa
Johnson, A. J.; Hildebrandt, P. K.; and Fayer, R., 1975, Am. J. Vet. Research, v. 36 (7), 995-999
Sarcocystis fusiformis, calves fed sporocysts isolated from coyotes and dogs, clinicopathologic manifestations, macroscopic observations, histopathologic changes

Pathology, Protozoa
Johnson, C. A., III; and Bradbury, P. C., 1976, J. Protozool., v. 23 (2), 252-256
Synophrya in decapods, occurrence may be related to salinity, possibly important pathogen in post-larval crabs: coastal North Carolina, U.S.A.

Pathology, Protozoa
Johnson, P. T., 1977, J. Invert. Pathol., v. 29 (3), 308-320
Paramoeba perniciosa in Callinectes sapidus, seasonal and geographic distribution, symptoms and diagnosis, tissue location, morphology, and replication, pathology, host defense reactions, laboratory transmission: Chincoteague Bay, Virginia; Long Island Sound, Connecticut; Sandy Hook Bay, New Jersey

Pathology, Protozoa
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Trypanosoma brucei rhodesiense, electrocardiographic abnormalities in infected humans

Pathology, Protozoa
Joyner, L. P.; et al., 1975, Avian Path., v. 4 (1), 17-33
Eimeria acervulina-infected chickens, amino acid malabsorption and intestinal leakage of plasma proteins, food intake and growth, results suggest that anorexia and protein leakage from gut are major factors in pathogenesis

Pathology, Protozoa
Julian, R. J.; Harrison, K. B.; and Richardson, J. A., 1976, Mod. Vet. Pract., v. 57 (9), 711-712, 716, 718
Eimeria zurnii, E. bovis, cattle, nervous signs, pathology, severe enteritis, possibility of toxins from coccidia: Canada

Pathology, Protozoa
Kaddu, J. B.; and Suzuki, M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 538-539 [Letter]
Trypanosoma musculi, ultrastructural study of kidney changes in infected mice (exper.), possibility that changes might affect functioning of urinary systems

Pathology, Protozoa
Kasemsuthi, R.; et al., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 558-559 [Demonstration]
Plasmodium coatneyi, fibrinogen metabolism compared in infected and control monkeys

Pathology, Protozoa
Keith, C. G., 1974, Med. J. Australia, v. 1 (6), 177-181
case reports of congenital choroido-retinitis and cerebral damage probably resulting from Toxoplasma gondii

Pathology, Protozoa
Khalacheva, M.; and Mechenova, E., 1976, Vet. Med. Nauki, v. 13 (8), 48-55
Babesia ovis, sheep (exper.), erythrocyte count, hemoglobin value and hematocrit increased and urea and bilirubin levels decreased in relation to severity of disease

Pathology, Protozoa
Khalacheva, M.; and Vrubcheva, V., 1976, Vet. Med. Nauki, v. 13 (9), 87-92
babesiasis, sheep (exper.), serum chemistry changes (proteins, enzymes, potassium, sodium)

Pathology, Protozoa
Khan, M. Z.; Kazam, A. R.; and Sabri, M. A., 1973, Pakistan J. Scient. Research, Lahore, v. 25 (3-4), 262-264
Eimeria ninakohlyakimovae, pathology, case report
Angora goat: Rakh Khaviewala, Pakistan

Pathology, Protozoa
Khan, R. A., 1975, J. Wildlife Dis., v. 11 (2), 205-209
Trichodina oviducti-infected Raja radiata (copulatory sac wall), histopathology, restriction of infection to adult hosts may be correlated with mucopolysaccharide levels: coastal areas adjacent to St. John's, Newfoundland, Canada

Pathology, Protozoa
Kibukamusoke, J. W., 1970, Mater. Med. Pol. (4), v. 2 (3-4), 44-48
Plasmodium malariae, P. falciparum, causal relationship between human malaria and nephrotic syndrome in tropical areas, pathology, therapy

Pathology, Protozoa
Kikuchi, T., 1974, Nippon Ganka Kiyo (Folia Ophth. Japon.), v. 25 (2), 187-194
Toxoplasma gondii, ocular infection in rabbits (exper.), pathologic changes, correlation with antibody response

Pathology, Protozoa
Kim, J. C. S., 1976, J. Med. Primatol., v. 5 (1), 3-12
Pneumonyssus santos-diasi, morphology, pulmonary pathology, scanning electron microscope

Pathology, Protozoa
Kimeto, B. A., 1976, Am. J. Vet. Research, v. 37 (4), 443-447
Theileria parva, cattle, sequence of ultrastructural changes of platelets during fatal course of East Coast fever

Pathology, Protozoa
Kimura, N.; et al., 1976, Poultry Science, v. 55 (4), 1375-1383
Eimeria tenella, chickens, qualitative and quantitative study on intestinal flora, bacteriological and histopathological changes in ceca, probable that proliferation of clostridia and enterobacteria retards recovery from cecal coccidiosis

Pathology, Protozoa
Klein, R. A.; et al., 1977, J. Protozool., v. 24 (4), 39A-40A [Abstract]
malaria, role of fatty acids in pathogenesis

Pathology, Protozoa
Knight, R., 1977, J. Parasitol., v. 63 (2), 388-389
Entamoeba histolytica, in vitro model for measuring cytopathic effect, amebae allowed to attack ^{51}chromium-labeled rabbit kidney cell monolayers grown in Carrel flasks

Pathology, Protozoa
Knight, R.; Bird, R. G.; and McCaul, T. F., 1975, Ann. Trop. Med. and Parasitol., v. 69 (2), 197-202
Entamoeba histolytica, cytopathic effects in in vitro system (rabbit kidney cell monolayer) appear to be wholly dependent upon amoebal contact, various modes of cell damage and enzyme transfer from amoeba to cell are suggested together with possibility that cytopathic amoebae are infected with virus particles

Pathology, Protozoa
Knight, R.; McCaul, T. F.; and Bird, R. G., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 1 [Demonstration]
Entamoeba histolytica, damage and changes in host morphology (rabbit kidney cell monolayers) in presence of parasites; evidence that direct amoebic cell contact needed for damage to occur, possible role of enzymes

Pathology, Protozoa
Knight, R.; and Warren, K. S., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (5), 644-651
mice, outcome of Entamoeba histolytica challenge at different stages of Schistosoma mansoni infection, synergistic relationship, interaction affected both infectivity of E. histolytica inoculum and also likelihood of amoebic tissue invasion, prepatent schistosome infections without effect and unisexual infections somewhat more susceptible than controls

Pathology, Protozoa
Kobayashi, A.; Tizard, I. R.; and Woo, P. T. K., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 401-406
Trypanosoma congolense, calves, anemia proved to be of immunological origin, antigen-antibody-complement complexes deposited on surface of erythrocytes results in their immune elimination and leads to clinical anemia

Pathology, Protozoa
Kocan, R. M.; and Banko, W., 1974, J. Wildlife Dis., v. 10 (4), 359-360
Trichomonas gallinae, barred doves, pathogenesis, diagnosis: cattle ranch, South Kona district, Hawaii

Pathology, Protozoa
Koeberle, F.; et al., 1972, Medicina, Sao Paulo, v. 5 (1), 5-45
extensive review of pathologic findings associated with human Trypanosoma cruzi infections with emphasis on cardiovascular, respiratory and digestive systems, importance of destruction of nerve cells in acute phase of infections making it a problem of prevention rather than treatment of disease: Brazil

Pathology, Protozoa
Koller, L. D.; Kistner, T. P.; and Hudkins, G. G., 1977, Am. J. Vet. Research, v. 38 (8), 1205-1209
Sarcocystis hemionilatrantis in Odocoileus hemionus hemionus fawns (tissue and perivascular spaces in skeletal and cardiac muscle; macrophages) (exper.), macroscopic and histopathological lesions

Pathology, Protozoa
Komorowski, R. A.; and Clowry, L. J., jr., 1976, Obst. and Gynec., v. 47 (5), 540-544
Trichomonas vaginalis frequently present in cases of koilocytotic atypia of the human cervix; further evidence for infections as source of koilocytosis

Pathology, Protozoa
Koplatadze, D. K.; and Gogiashvili, L. E., 1975, Soobshch. Akad. Nauk Gruzinsk. SSR, v. 80 (1), 205-208
toxoplasmosis, pregnant women, change of placenta ultrastructure (syncytium and trophoblast cells), can lead to death of placenta and interruption of pregnancy

Pathology, Protozoa
Kreier, J. P.; Taylor, W. M.; and Wagner, W. M., 1972, Am. J. Vet. Research, v. 33 (2), 409-414
Plasmodium cynomolgi-infected monkeys, destruction of erythrocytes

Pathology, Protozoa
Krystyna, P., 1976, Pediat. Polska, v. 51 (5), 543-548
Trichomonas vaginalis affecting vaginal and urinary tract of young girls, pathologic findings, value of cultures in diagnosis

Pathology, Protozoa
Kucera, M., 1976, Acta Entom. Bohemoslov., v. 73 (6), 367-372
Nosema heterosporum-infected Bararthra brassicae larvae, host enzymes, purification by isoelectric focusing, Michaelis constants determined, host metabolism

Pathology, Protozoa
Kulda, J.; Suchankova, E.; and Svoboda, S., 1974, Acta Vet. Brno, v. 43 (1), 53-64
Tetratrichomonas gallinarum, synonymy; axenic culture of 10 strains isolated from poultry, virulence determined by mouse assay did not reflect pathogenicity for turkey poults, results indicate T. gallinarum should not be considered serious pathogen; enterohepatitis caused by mixed infection with Histomonas meleagridis from contaminated culture

Pathology, Protozoa
Kumar, A.; Pandey, M. D.; and Rawat, J. S., 1976, Indian J. Poultry Sc., v. 11 (1), 11-13
Eimeria acervulina, E. necatrix, mixed infection, chickens (exper.), serum electrolyte changes, decreased percentage of total body water, dehydration

Pathology, Protozoa
Kumar, A.; and Rawat, J. S., 1976, Indian J. Animal Sc., v. 45 (3), 1975, 154-156
Eimeria necatrix, E. acervulina, chickens (exper.), effect on serum enzymes, blood glucose and cholesterol

Pathology, Protozoa
Kvasz, L., 1971, Ceskoslov. Pediat., v. 26 (4), 183-184
Lamblia intestinalis, gastrointestinal X-ray examination of infected children revealed ulceration of duodenal mucosa and functional disorders and irritation of upper digestive tract, possible relationships to lambliasis, metronidazole therapy of parasites resulted in cure of ulceration

Pathology, Protozoa
de Labarthe, B.; et al., 1974, Nouv. Presse Med., v. 3 (37), 2413 [Letter]
Pneumocystis carinii, differential diagnosis of pulmonary pathology in the immunocompromised host using bronchial brushings

Pathology, Protozoa
Leal Medina, L. J., 1974, Rev. Med. Vet. y Parasitol., Maracay, v. 25 (1-8), 1973-1974, 15-31
Trypanosoma lewisi, rats with and without cortisone, changes in ultrastructure of monocytes during infection; infection does not produce active macrophages or forms transitional between monocytes and macrophages

Pathology, Protozoa
Le Bras, M.; et al., 1974, Medecine Afrique Noire, v. 21 (7), 491-498
acute renal insufficiency as complication of Plasmodium falciparum malaria, clinical management, diagnosis, case reports, pathologic findings, therapy

Pathology, Protozoa
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Sarcocystis ovicanis-induced abortion in sheep (exper.), clinical signs, pathology, no evidence of intrauterine transmission

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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Tritrichomonas foetus var. brisbane, pathogenesis and pathology in virgin heifers mated to an infected bull

Pathology, Protozoa
Pasmanik, S.; and Atias, A., 1966, Bol. Chileno Parasitol., v. 21 (1), 7-14
human ocular Toxoplasma gondii, pathology, diagnosis (presence of rosetta-like macular chorioretinitis or by seroimmunologic testing)

Pathology, Protozoa
Patterson, D. S. P.; et al., 1975, Avian Path., v. 4 (1), 11-16
Eimeria acervulina-infected chickens, intestinal malabsorption of amino acids, in vitro studies, results generally support view of depressed absorption but demonstration was not as technically straightforward as earlier reports suggested

Pathology, Protozoa
Pavesio, D.; et al., 1971, Minerva Pediat., v. 23 (39), 1622-1625
Pneumocystis carinii, human interstitial plasma cell pneumonia, radiologic and pathologic findings

Pathology, Protozoa
Payet, M., 1975, Medecine Trop., v. 35 (2), 105-110
human malignant amoebic colitis, clinical aspects, pathology, diagnosis, treatment with dehydroemetine or surgery

Pathology, Protozoa
Pecharanond, K.; and Pradatsundarasar, A., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 579-580 [Demonstration]
G[iardia] lamblia, gastrointestinal disturbances associated with human infections

Pathology, Protozoa
Pelikan, L.; Kod'ousek, R.; and Malinsky, J., 1972, Ceskoslov. Pediat., v. 27 (8), 378-380
Lamblia intestinalis in humans presenting with malabsorption syndrome, diagnosis using enterobiopsy, pathology, medical management: Czechoslovakia

Pathology, Protozoa
Pelster, B.; Piekarski, G.; and Suzuki, N., 1976, Ztschr. Parasitenk., v. 49 (2), 113-125
Toxoplasma gondii, mice, virulent and avirulent strains, histopathological changes in thymus

Pathology, Protozoa
Perez Norzagaray, J.; Garcia Cuestas, J.; and Franco Ramirez, G., 1970, Pediatria, Bogota, v. 11 (4), 385-392
visceral leishmaniasis, second endemic focus established with diagnosis of infection in 3 infants, clinical review, pathologic findings, epidemiologic aspects: Colombia

Pathology, Protozoa
Pesti, G. M.; and Combs, G. F., jr., 1976, Poultry Science, v. 55 (6), 2265-2274
Eimeria, site selectivity of various species for infection in particular regions of chick gastrointestinal tract used as tool to study loci of selenium absorption, potentiation of selenium deficiency by intestinal parasitism

Pathology, Protozoa
Pettersson, T.; and Selroos, O., 1971, Nord. Med., Stockholm, v. 85 (3), 78-80
human Giardia lamblia with associated chronic diarrhea and malabsorption syndrome, case reports, clinical aspects: Finland

Pathology, Protozoa
Peychl, L.; Zastera, M.; and Dostal, V., 1976, J. Hyg., Epidemiol., Microbiol. and Immunol., v. 20 (2), 248-251
Toxoplasma, human nodular, pathology, clinical course, immunity, 6-year study of 93 subjects: Czechoslovakia

Pathology, Protozoa
Phillips, B. P.; and Zierdt, C. H., 1976, Exper. Parasitol., v. 39 (3), 358-364
Blastocystis hominis, human, possibly cause of persistent diarrhea, production of similar symptoms in germfree guinea pigs which were inoculated with B. hominis and the enteric flora from symptomatic human patients

Pathology, Protozoa
Piazza, M., 1976, Pathologica (979-980), v. 68, 195-209
human toxoplasmosis resulting in Piringer-Kuchinka lymphadenitis, clinical and pathologic features, differential diagnosis

Pathology, Protozoa
Pillai, J. S.; Neill, H. J. C.; and Sone, P. F., 1976, Mosquito News, v. 36 (2), 150-154
Lankesteria culicis, infection rates according to habitats, histopathology, heavily infected mosquito larvae (Aedes polynesiensis) showed minimal or negligible effects from parasitism

Pathology, Protozoa
Poels, L. G.; et al., 1977, Exper. Parasitol., v. 43 (1), 255-267
Plasmodium berghei, formation of immune complexes and their role in nephropathies in infected mice in comparison with chloroquine-cured and hyperimmune mice, comparative study on nude mouse model, immune complexes deposited in renal glomeruli of acutely infected and hyperimmune mice but not in glomeruli of infected nude mice, pathological ultrastructural alterations found in glomeruli of first two groups

Pathology, Protozoa
Poltera, A. A.; Cox, J. N.; and Owor, R., 1975, Pathol. et Microbiol., v. 43 (2-3), 117-119
pancarditis resulting from human African trypanosomiasis, review of pathologic findings, importance as cause of congestive cardiomyopathies, association with chronic meningoencephalitis

Pathology, Protozoa
Poltera, A. A.; Cox, J. N.; and Owor, R., 1977, East African Med. J., v. 54 (9), 497-499
human African trypanosomiasis, cardiac valvulitis observed in man with proven infection, possible relationship of trypanosomiasis with cardiomyopathies of unknown origins; Trypanosoma brucei-infected mice (exper.) also had valvulitis with parasites present in the lesions

Pathology, Protozoa
Pons, S., 1971, Med. Cutan., v. 5 (5), 329-336
review of cutaneous manifestations of human Trypanosoma cruzi, critical analysis of skin eruptions and author suggestion that they be designated as "trypanosomids", case reports

Pathology, Protozoa
Pons, S., 1971, Med. Cutan., v. 5 (6), 433-440
classification of chagomas, the tumor-like lesions resulting from human cutaneous infections with Trypanosoma cruzi

Pathology, Protozoa
Pons, S.; Torres C., A.; and Ortiz M., A., 1969, Med. Cutan., v. 4 (3), 39-48
cutaneous manifestations of Trypanosoma cruzi in humans, clinical review, pathology, differential diagnosis: Argentina

Pathology, Protozoa
Poole, D. B. R.; et al., 1976, Vet. Rec., v. 99 (24), 481
Eperythrozoon wenyoni, cattle, clinical signs associated with anaemia

Pathology, Protozoa
Poston, R. N.; McCaul, T. F.; and Bird, R. G., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 112-113 [Demonstration]
Entamoeba histolytica, E. invadens, cytotoxic activity on labelled Chang cells, results indicate that amebic agent indirectly affects host cell membrane permeability by altering cell membrane architecture and strongly suggest that phospholipid alteration by phospholipase may be basis of loss of membrane integrity

Pathology, Protozoa
Prunescu, P.; and Prunescu, C., 1975, Arch. Roumaines Path. Exper. et Microbiol., v. 34 (4), 341-348
Plasmodium berghei in mice and hamsters (exper.), pathologic changes in spleen during course of infection

Pathology, Protozoa
Pryce, R. N., 1976, J. South African Vet. Ass., v. 47 (4), 289-290
canine biliary fever, method of determining plasma bicarbonate levels as measure of pH of body fluids, aid in determining metabolic normality and success of treatment

Pathology, Protozoa
Puigbo, J. J.; et al., 1977, Postgrad. Med. J., London (623), v. 53, 527-532
Trypanosoma cruzi, human, cardiac involvement, review of acute latent and chronic phases, diagnosis, pathology

Pathology, Protozoa
Purnell, R. E.; et al., 1977, Vet. Rec., v. 100 (1), 4-6
Babesia divergens, splenectomized calves (exper.), mixed infection with Ehrlichia phagocytophila resulted in less marked changes in haematology, apparent suppression of Babesia by Ehrlichia

Pathology, Protozoa
Quilter, C. G., 1976, N. Zealand J. Marine and Freshwater Research, v. 10 (1), 225-231
Thelohania contejeani in Paranephrops zealandicus (musculature), results suggest that infection does not greatly affect normal locomoter activity of host but does reduce total muscular power available

Pathology, Protozoa
Rabinowitz, H.; and Spira, D. T., 1973, J. Protozool., v. 20 (4), 533
Leishmania tropica-infected macrophages, suppression of phagocytic activity, increased stimulation of lysosomal activity, increased acid phosphatase activity

Pathology, Protozoa
Radwanski, Z. K.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 124-132
Leishmania enriettii in guinea pigs (exper.), use of indirect immunofluorescence to demonstrate antibody response during infection, to detect presence of parasites, gamma-globulin and complement during active infection and during healing process; antibody detected in primary lesions unrelated to healing process or pathogenesis of tissue damage

Pathology, Protozoa
Rama, S.; Murtuza, M.; and Singh, C. D. N., 1976, Indian Vet. J., v. 53 (11), 895-896
Eimeria parva, E. ninakohlyakimovae, sheep (exper.), serum levels of calcium, magnesium and blood inorganic phosphorus, no significant changes after infection

Pathology, Protozoa
Rama, S. P.; Singh, C. D. N.; and Sinha, B. K., 1977, Indian J. Animal Sc., v. 47 (11), 735-738
Eimeria parva, sheep (exper.), mixed infections with Eimeria ninakohlyakimovae, pathology

Pathology, Protozoa
Ramachandran, S.; and Perera, M. V. F., 1976, J. Trop. Med. and Hyg., v. 79 (9), 207-210
Plasmodium falciparum, P. vivax, humans, jaundice and hepatomegaly associated with attacks of primary uncomplicated malaria

Pathology, Protozoa
Rao, N. A.; and Font, R. L., 1977, Arch. Ophth., Chicago, v. 95 (2), 273-277
Toxoplasma gondii causing retinochoroiditis, formalin-fixed human eye tissue, electron microscopic study of cysts, immunofluorescent-antibody technique in diagnosis when routine histologic preparation fails to reveal parasites

Pathology, Protozoa
Rao, V. G.; and Padma, M. C., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 606-616
Entamoeba histolytica in rats (exper.), strain variations in pathogenicity, pathology of lesions, role of host nutrition in pathogenesis

Pathology, Protozoa
Reid, H. A.; and Nkrumah, F. K., 1972, Lancet, London (7744), v. 1, 218-221
Plasmodium falciparum, high levels of fibrin-degradation products in serum of patients with cerebral malaria, possible relationships to pathogenic processes of falciparum malaria

Pathology, Protozoa
Reid, W. M.; and Johnson, J., 1974, Folia Vet. Latina, v. 4 (4), 585-602
Eimeria brunetti in chickens, severity of pathogenicity, lesion scoring and weight gains, economic losses, diagnostic techniques

Pathology, Protozoa
Ridley, M. J.; and Ridley, D. S., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 10-11 [Demonstration]
Giardia lamblia in humans, when associated with malabsorption is also associated with histologic changes in jejunum and with circulating antibody against G. lamblia detected by immunofluorescence

Pathology, Protozoa
Riemann, H. P.; et al., 1974, J. Wildlife Dis., v. 10 (4), 471-477
Toxoplasma gondii, pallas cats, indirect hemagglutination test, pathological findings in kittens

Pathology, Protozoa
Rigillo, N.; et al., 1969, Minerva Pediat., v. 21 (21), 960-965
giardiasis in children, secondary malabsorption and altered xylose test values return to normal after disappearance of parasite from stool

Pathology, Protozoa
Rioseco B., H.; et al., 1976, Arch. Med. Vet., Valdivia, v. 8 (2), 122-123
Sarcocystis sp., Pudu pudu (skeletal and cardiac musculature), pathology: Chile

Pathology, Protozoa
Roberts, C. J., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 11 [Demonstration]
Trypanosoma congolense, T. vivax, cattle, sheep, serum lipid levels, significance of increase in plasma volume in trypanosome infections

Pathology, Protozoa
Roberts, C. J., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 279-280 [Abstract]
Trypanosom[a] vivax, T. congolense, ruminants, serum lipid levels

Pathology, Protozoa
Roberts, C. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 155 [Abstract]
Trypanosoma congolense and T. vivax-infected sheep, changes in lipid levels during infection, effects of infection on metabolic processes of serum lipoproteins

Pathology, Protozoa
Roberts, C. J.; and Gray, A. R., 1973, Trop. Animal Health and Prod., v. 5 (4), 220-233
Trypanosoma vivax, T. congolense, T. brucei, N'dama, Muturu, and Zebu cattle (exper.), comparison of host resistance, pathology; N'dama cattle demonstrated more resistance than other breeds

Pathology, Protozoa
Rodgerson, E. B., 1972, Obst. and Gynec., v. 40 (3), 327-333
human Trichomonas vaginalis in presence of vulvar and vaginal papillomas, treatment of trichomoniasis with metronidazole alone or in conjunction with diiodohydroxyquin frequently resulted in changes in or disappearance of papillomas, possible role of Trichomonas in action of viruses: California

Pathology, Protozoa
Rosen, R. A.; and Molnar, J. J., 1973, N. York State J. Med., v. 73 (10), 1191-1193
Entamoeba histolytica in human, amoebiasis of cecum presenting as pelvic mass or tubo-ovarian abscess, clinical case report, diagnosis from pathology found at surgery: New York

Pathology, Protozoa
Rosso, G., 1975, Minerva Ginec., v. 27 (7), 537-544
human Trichomonas vaginalis vaginitis, vaginal hyaluronidase activity in trichomoniasis compared with that of other vaginal infections

Pathology, Protozoa
Ruff, M. D.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 297-307
Babesia gibsoni, serum levels of various enzymes in infected dogs with respect to possible liver damage

Pathology, Protozoa
Ruff, M. D.; and Britton, W. M., 1976, Poultry Science, v. 55 (5), 1712-1716
Eimeria acervulina, E. tenella, white Leghorn hens, severe infection, lower egg production, reduced yolk color

Pathology, Protozoa
Ruff, M. D.; Witlock, D. R.; and Smith, R. R., 1976, Exper. Parasitol., v. 39 (2), 244-251
comparison of effects of Eimeria tenella and E. acervulina infection on methionine absorption by avian intestine: importance of gut region infected; specific kinetic parameters affected; effect of intestinal pH; morphological changes in intestinal mucosa which might account for transport changes

Pathology, Protozoa
Ruiz, A.; and Frenkel, J. K., 1976, J. Infect. Dis., v. 133 (4), 409-418
Sarcocystis muris, obligatory 2-host life cycle (mouse-cat), development, pathology

Pathology, Protozoa
Rungs, H., 1969, Maroc Med. (521), v. 49, 113-115
human amoebic chronic colitis, malabsorption and avitaminosis, clinical review

Pathology, Protozoa
Ryley, J. F., 1975, Symposia Brit. Soc. Parasitol., v. 13, 43-58
coccidia of domestic fowl, pathology, extensive review (effects on host cell, on structure and function of adjacent cells and tissues, and on extraintestinal tissues and systems)

Pathology, Protozoa
Rzepczyk, C.; and Scholtyseck, E., 1976, Ztschr. Parasitenk., v. 50 (2), 137-150
Sarcocystis [sp.] type A; Sarcocystis [sp.] type B, light and electron microscopy, effect on hosts' cells, distinct species; no cellular response apparent in host; possible life histories of these infections occurring in Rattus fuscipes in Queensland

Pathology, Protozoa
deSa, A. E., 1974, Progr. Drug Research, v. 18, 77-90
Entamoeba histolytica, humans, complications of hepatic or intestinal infections requiring surgical intervention, review

Pathology, Protozoa
Saha, T. K.; and Ghosh, T. K., 1977, Gastroenterology, v. 72 (3), 402-405
Giardia lamblia in humans, variations in intestinal pathology associated with mucosal invasion by parasites, causal relationship with accompanying diarrhea and steatorrhea

Pathology, Protozoa
Salazar, E.; et al., 1972, Arch. Inst. Cardiol. Mexico, v. 42 (6), 840-849
human Toxoplasma gondii resulting in clinical and electrocardiographic evidence of cardiomyopathy, case reports

Pathology, Protozoa
Sanabria, A.; and Aristimuno, J., 1975, Acta Cien. Venezolana, v. 26 (4), 128-133
Trypanosoma cruzi, mouse kidney, ultrastructure, pathology

Pathology, Protozoa
San Antonio Alvarez, J., 1972, Med. Trop., Madrid, v. 48 (3-4), 188-195
clinical symptoms and pathologic findings of 7 cases of Entamoeba histolytica cystitis, probable secondary infection resulting from amoebic dysentery

Pathology, Protozoa
Sanchez, G.; and Alderete, J. F., 1975, Comp. Biochem. and Physiol., v. 52 (4A), 623-626
Trypanosoma rhodesiense, adrenalectomized rats, increased parasitemia and earlier death, relation to decreases in total liver glycogen, reduced rate of glucose consumption by trypanosomes, endocrine system as possible regulator of trypanosome biochemistry, possible mechanism in pathogenesis of trypanosomiasis

Pathology, Protozoa
Sanchis-Bayarri Lahoz, V.; and Sanchis-Bayarri Vaillant, V., 1974, Med. Espan. (426), an. 37, v. 72, 162-164
case report and pathologic findings of "Oriental boil" leishmanial infection in young child: Spain

Pathology, Protozoa
Sandbank, M., 1977, Brit. J. Dermat., v. 96 (6), 653-657
human cutaneous leishmaniasis, presence of banded cross-striated material discovered in proximity to macrophages containing leishmania, possibly the structures are indication of active, accelerated collagen production

Pathology, Protozoa
Sanders, R. D.; and Poinar, G. O., jr., 1973, J. Protozool., v. 20 (5), 594-602
Lankesteria clarki sp. n. in Aedes sierrensis, little potential as biological control agent since it rarely causes host mortality: California

Pathology, Protozoa
Sanders, R. D.; and Poinar, G. O., jr., 1976, J. Invert. Path., v. 28 (1), 109-119
Pleistophora probably n. sp. in Aedes sierrensis, development and fine structure, potential as biological control agent

Pathology, Protozoa
Sankale, M.; et al., 1975, Medecine Trop., v. 35 (2), 111-117
pathological and clinical study of human malignant amoebic colitis

Pathology, Protozoa
Sanyal, S. K.; et al., 1977, Am. Rev. Resp. Dis., v. 115 (4, pt. 2), 290 [Abstract]
Pneumocystis carinii, prospective longitudinal study shows no permanent compromise of pulmonary function status in children who survive Pneumocystis pneumonitis

Pathology, Protozoa
Sanyal, S. K.; Avery, T. L.; and Harris, K. S., 1977, Am. Rev. Resp. Dis., v. 115 (4, pt. 2), 291 [Abstract]
Pneumocystis carinii pneumocystitis in immunosuppressed children, sequential changes in acid-base and blood-gas profiles, abnormalities may persist into convalescence

Pathology, Protozoa
Saror, D. I., 1976, Vet. Rec., v. 98 (10), 196
Trypanosoma[a] vivax, Trypanosom[a] congolense, plasma copper levels determined in exper. infected cattle, neither iron nor copper deficiencies are significant in the pathogenesis of bovine trypanosomiasis

Pathology, Protozoa
Sawyer, T. K.; Newman, M. W.; and Otto, S. V., 1973, J. Protozool., v. 20 (4), 511
gregarine-like intestinal parasite causing seasonal pathology in the American oyster: rivers and tributaries of Chesapeake Bay, Maryland

Pathology, Protozoa
Scharfman, W. B.; and Taft, E. G., 1977, J. Am. Med. Ass., v. 238 (12), 1281-1282
human babesiosis (Nantucket fever), case report of infection in adult woman after summer visit to Nantucket Island, diagnosis, therapy with chloroquine: Albany, New York

Pathology, Protozoa
Schiefer, B. A.; Ward, R. A.; and Eldridge, B. F., 1977, Exper. Parasitol., v. 41 (2), 397-404
Plasmodium cynomolgi-infected Anopheles stephensi, reductions in laboratory flight performance, epidemiological implications

Pathology, Protozoa
Schmidt, L. H.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 356-372
Plasmodium cynomolgi B strain, biology and characteristics of untreated infections compared in various Old World primates, possible substitution of one of these hosts as replacement for Macaca mulatta as laboratory host for experimental research

Pathology, Protozoa
Schmitz, J. A.; and Wolf, W. W., 1977, Vet. Path., v. 14 (5), 527-531
spontaneous fatal sarcocystosis in a calf (liver, kidney, lungs, heart), pathological changes: north central Oregon

Pathology, Protozoa
Schnur, L. F.; Zuckerman, A.; and Greenblatt, C. L., 1973, J. Protozool., v. 20 (4), 534
Leishmania, relationship between clinical types and serotypes not as simple and direct as previously thought

Pathology, Protozoa
Schuster, F. L.; and Dunnebacke, T. H., 1976, J. Protozool., v. 23 (2), 7A [Abstract]
Naegleria spp. lysates causing cytopathic effects in vitro

Pathology, Protozoa
Schuster, F. L.; and Dunnebacke, T. H., 1977, J. Protozool., v. 24 (4), 489-497
Naegleria fowleri, mice, ultrastructural observations of experimental meningoencephalitis, intranuclear inclusions in amebae and host cells

Pathology, Protozoa
Schwalbe, C. P.; and Baker, J. E., 1976, J. Invert. Path., v. 28 (1), 11-15
Pyxinia frenzeli-infected vs. uninfected Attagenus megatoma, no significant differences in starvation-mediated alterations of nutrient reserves, data suggest P. frenzeli is commensal or mutalist rather than pathogen

Pathology, Protozoa
Seah, S. K. K.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 63-69
Trypanosoma cruzi, acute infection in exper. rhesus monkeys, vaccination with killed extract of cultural forms produced circulating antibodies and induced delayed hypersensitivity but monkeys still developed sustained parasitemia, changes in IgM and other hematologic responses

Pathology, Protozoa
Seed, J. R.; et al., 1976, Am. Midland Naturalist, v. 96 (2), 379-390
Trypanosoma brucei gambiense in Microtus montanus (exper.), role of spleen in host immunity; effect of infection (enlarged spleen, increase in adrenal weights, decrease in size of gonads), possible means of distinguishing parasite stress from other forms of natural population stress; possible relationship to reproductive potential and population density

Pathology, Protozoa
Seed, T. M.; et al., 1976, Exper. Parasitol., v. 39 (2), 262-276
Plasmodium simium, ultrastructure of erythrocytic trophozoites, schizonts, merozoites, and gametocytes; pathological changes in host cell structure

Pathology, Protozoa
Segal, H. E.; et al., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (4), 499-503
Plasmodium falciparum, humans, assessment of gastrointestinal function and quinine absorption, findings suggest minimal distortion of absorptive function of little clinical importance

Pathology, Protozoa
Seibold, H. R.; and Munnell, J. F., 1977, Vet. Path., v. 14 (1), 89-91
Pneumocystis carinii, pig (lung), bronchopneumonia

Pathology, Protozoa
Shafer, N., 1975, N. York State J. Med., v. 75 (7), 1049-1061
Toxoplasma gondii in humans, extensive clinical review of current medical progress

Pathology, Protozoa
Shastri, U. V.; Ghafoor, M. A.; and Krishnamurthy, R., 1976, Indian J. Animal Sc., v. 46 (10), 556-561
Eimeria bareillyi, E. ellipsoidalis, Coccidia [sp.], endogenous development and associated lesions in buffalo calves: Parbhani

Pathology, Protozoa
Shastri, U. V.; and Krishnamurthi, R., 1976, Indian J. Animal Sc., v. 45 (1), 1975, 46-47
Eimeria bareillyi, buffaloes, pathology, postmortem findings: Parbhani

Pathology, Protozoa
Sheahan, B. J., 1976, Vet. Rec., v. 99 (11), 213-214
Eimeria leuckarti, horse, acute case, pathology: Ireland

Pathology, Protozoa
Shozawa, T.; et al., 1972, Nettai Igaku (Trop. Med.), v. 14 (4), 165-175
human amoebiasis, pathologic and clinical findings, correlation of results of 10 autopsies: Japan and Kenya

Pathology, Protozoa
Smit, A. M., 1977, Trop. and Geogr. Med., v. 29 (1), 119 [Abstract]
description of human cutaneous leishmaniasis imported into the Netherlands from Surinam, pathology, treatment with pentostam and lomidine

Pathology, Protozoa
Sohi, S. S.; and Wilson, G. G., 1976, Canad. J. Zool., v. 54 (3), 336-342
Nosema disstriae, cell lines developed from hemocytes and ovarian tissues of naturally infected Malacosoma disstria larvae, spores from hemocyte cultures infectious to host larvae, possible use in large-scale production of insect pathogens; ovarian cultures disappeared after several passages

Pathology, Protozoa
Soothill, J. F.; Smith, M. D.; and Morgan, A. G., 1975, Symposia Brit. Soc. Parasitol., v. 13, 59-68
association of parasites with nephrotic syndrome, genetically and environmentally determined host variation may be the immunodeficiency underlying proneness to chronic soluble complex disease, extensive review with emphasis on Schistosoma spp., Plasmodium malariae, and some preliminary experiments with Trypanosoma brucei in mice

Pathology, Protozoa
Sperhake, P.; and Kaleta, E. F., 1974, Prakt. Tierarzt, v. 55, Sondernummer, 29-31
Isospora lacazei, canaries, clinical aspects, pathology, diagnosis, differential diagnosis, therapy with Amprolvet Super in drinking water

Pathology, Protozoa
Srivastava, P. S.; and Sharma, N. N., 1976, Pantnagar J. Research, v. 1 (2), 147-150
Theileria annulata, crossbred calves (exper.), lesions, histopathological changes of cerebral tissues

Pathology, Protozoa
Stahl, W.; et al., 1976, Exper. Parasitol., v. 39 (1), 135-142
Toxoplasma gondii, disease patterns in methotrexate-treated mice, examination of several time- and dose-dependent drug regimes, immunosuppressive effect when administered early in infection, potential use as experimental model for clinical toxoplasmosis

Pathology, Protozoa
Steck, E. A., 1974, Progr. Drug Research, v. 18, 289-351
Leishmania spp., extensive review (history, etiology, pathology, epidemiology, immunology, cultivation, biochemistry, chemotherapy)

Pathology, Protozoa
Stevens, D. R.; and Moulton, J. E., 1977, J. Comp. Path., v. 87 (1), 109-118
Trypanosoma equiperdum and T. brucei in Peromyscus maniculatus (exper.), meningoencephalitis, model for human trypanosomal encephalitis

Pathology, Protozoa
Stibbs, H. H.; and Seed, J. R., 1973, J. Protozool., v. 20 (4), 503
Trypanosoma brucei gambiense-infected Microtus montanus, elevated serum tyrosine transaminase levels, high levels of this enzyme found in sonicated preparations of parasite itself

Pathology, Protozoa
Stibbs, H. H.; and Seed, J. R., 1976, Exper. Parasitol., v. 39 (1), 1-6
Trypanosoma brucei gambiense, chronically infected Microtus montanus, elevated serum and hepatic tyrosine aminotransferase, high serum levels may result from lysis of parasites (possibly due to agglutination by antibody) containing high levels of enzyme, implications for catecholamine metabolism and consequently for pathologic behavioral syndrome

Pathology, Protozoa
Stingl, H., 1974, Das extrahepatische Gallengangsystem des Kaninchens und seine Veranderungen unter dem Einfluss einer experimentellen Eimeria stiedai-Infektion, 76 pp.
Eimeria stiedai, rabbits, pathological changes in bile duct system

Pathology, Protozoa
Stockdale, P. H. G., 1977, Canad. J. Comp. Med., v. 41 (3), 338-344
Eimeria zuernii, calves (exper.), pathological study of enteric lesions

Pathology, Protozoa
Stockdale, P. H. G.; and Fernando, M. A., 1975, Research Vet. Sc., v. 19 (2), 204-208
Eimeria necatrix, chicks, development of second generation schizonts, type of cell parasitized by this stage and pathogenesis of lesions it causes

Pathology, Protozoa
Sucharit, P.; et al., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 145-146 [Demonstration]
P[lasmodium] falciparum in humans with pernicious manifestations, attempted correlation of clinical features and laboratory evidence of intravascular coagulation

Pathology, Protozoa
Sucharit, P.; et al., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 33-39
[Plasmodium] falciparum, studies show that coagulation and fibrinolysis develop only in persons who have cerebral manifestations of malaria or have high parasitemia

Pathology, Protozoa
Sucharit, P.; and Reid, H. A., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 15-18
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Pathology, Protozoa
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Eimeria leuckarti, pathology in foals: Japan

Pathology, Protozoa
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Eperythrozoon ovis, sheep, low venous blood glucose levels, increased blood lactic acid levels

Pathology, Protozoa
Suzuki, M., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 20 [Demonstration]
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Pathology, Protozoa
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Eimeria tenella-infected chickens, altered protein synthesis, compared to hosts infected with bacteria or with intestinal nematodes, evidence that loss of protein may increase apparent concentration of DNA and RNA of muscle and liver

Pathology, Protozoa
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T[rypanosoma] cruzi, 6 children with congenital Chagas' disease, presence of circulating EVI and specific anti-T. cruzi antibodies, skeletal muscle biopsies showed immunoglobulin deposits, findings suggest possible pathogenic role of EVI antibody in lesions

Pathology, Protozoa
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Giardia lamblia in humans, life cycle, morphology, pathology, clinical aspects and treatment, review

Pathology, Protozoa
Szeri, I.; and Csoka, R., 1976, Acta Microbiol. Acad. Scient. Hungar., v. 23 (3), 235-237
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Entamoeba histolytica, guinea pigs, early stages in development of acute amebic colitis, cellular and vascular changes accompanying invasion of lamina propria (continued epithelial shedding, polymorphonuclear leukocyte degeneration, endothelial damage and occlusive thrombosis in capillaries and venules)

Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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minor encephalopathy and pathology in infants, probably resulting from congenital toxoplasmosis

Pathology, Protozoa
Thompson, A. C.; and McLaughlin, R. E., 1977, J. Invert. Path., v. 30 (1), 108-109
Mattesia grandis in Anthonomus grandis, comparison of lipids and fatty acids of parasite and fat body of host, direct competition for these compounds by the pathogen

Pathology, Protozoa
Tizard, I. R.; et al., 1977, Canad. Fed. Biol. Soc., Programme and Proc. 20. Ann. Meet., v. 20, 4 [Abstract]
Trypanosoma congolense, autolysing in vitro, generation of hemolytic and cytotoxic fatty acids by endogenous phospholipase A, proposed as major pathogenic mechanism

Pathology, Protozoa
Tizard, I. R.; et al., 1977, Experientia, v. 33 (7), 901-902
Trypanosoma congolense, hemolytic activity is due to presence of free fatty acids generated by action of phospholipase A on endogenous phosphatidyl choline, some lysolecithin also contributes to lytic activity, T. lewisi is devoid of phospholipase A and does not generate free fatty acids and is therefore non-hemolytic

Pathology, Protozoa
Tizard, I. R.; and Holmes, W. L., 1976, Experientia, v. 32 (12), 1533-1534
Trypanosoma congolense, generation of toxic activity considered to be of potential significance in pathogenesis (phospholipase-like activity capable of mediating lysis of both nucleated cells and erythrocytes as well as acute inflammatory response on intradermal inoculation), Trypanosoma lewisi produced no significant hemolysis

Pathology, Protozoa
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Trypanosoma congolense, release of soluble vasoactive material from parasites in intraperitoneal diffusion chambers implanted in rats, possibility that this factor may contribute to pathogenesis of infection

Pathology, Protozoa
Tontis, A.; Koenig, H.; and Hoerning, B., 1977, Schweiz. Arch. Tierh., v. 119 (4), 161-165
Globidium gilruthi, pathology

Pathology, Protozoa
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35 strains of Trichomonas vaginalis, taxonomy, morphology, culture, biochemistry, diagnosis, pathology, comparison of pathogenicity in natural and experimental infections, mice, no relationship observed between pathogeny and clinical picture

Pathology, Protozoa
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Leishmania donovani, dog, hematological and pathological observations, significance of bone marrow evaluation and electron microscopic examination in diagnosis, potential public health hazard for North America: Canada, imported from Spain

Pathology, Protozoa
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Pathology, Protozoa
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Toxoplasma gondii in Phoca vitulina richardii (liver), complicating generalized staphyloccal infection, clinical course with fatal outcome, pathologic findings: captured at Cold Bay, Alaska, held in captivity until death 21 days later

Pathology, Protozoa
Varga, I., 1976, Acta Vet., Budapest, v. 26 (1), 105-112
Eimeria stiedai in Oryctolagus cuniculus (exper.), successful transmission to Lepus europaeus, pathology, reisolated oocysts from L. europaeus proved infective to both L. europaeus and O. cuniculus

Pathology, Protozoa
Varga, I., 1976, Magy. Allat. Lapja, v. 98, v. 31 (11), 726-730
Eimeria stiedai, experimental transmission to Lepus europaeus (gall bladder) and Oryctolagus cuniculus, both susceptible to infection, histological alterations in liver

Pathology, Protozoa
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review of forms of human leishmaniasis, pathology with emphasis on ocular lesions, case reports: Tchad

Pathology, Protozoa
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Trypanosoma vivax, goats, fever induced by T. vivax or bacterial endotoxins, comparison of roles of kinins and serotonins

Pathology, Protozoa
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chronic Trypanosoma cruzi-infected humans, positive leukocyte migration inhibition test with heart antigens, results suggest cell-mediated immune response against heart tissue could participate in mechanism of myocardial damage in Chagas' disease

Pathology, Protozoa
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intestinal parasites, comparison of D-xylose intestinal absorption in infected children showed that only those with Giardia lamblia had statistically different absorption from non-infected children: Mexico

Pathology, Protozoa
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human visceral leishmaniasis, 20 fatal cases, histological appearances of spleen and lymph nodes were suggestive of profound disturbance in cell-mediated immunity, depletion of small lymphocytes in thymus-dependent areas accompanied by abundance of parasite-containing histiocytes and hyperplasia of plasma cells

Pathology, Protozoa
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mixed giardiasis and Trichocephalus infections in young child resulting in severe malabsorption syndrome, pathology of intestinal mucosa

Pathology, Protozoa
Vijil, C., 1972, N. England J. Med., v. 286 (2), 106-107 [Letter]
Entamoeba histolytica in humans, frequent association with Shigella dysenteriae, need for improved research on pathogenic interaction, dysentery often not relieved without additional amoebicidal therapy with metronidazole: Nicaragua

Pathology, Protozoa
Villegas-Gonzalez, J.; and Fastag de Shor, A., 1974, Bol. Med. Hosp. Inf., v. 31 (1), 35-49
Entamoeba histolytica, children, invasive amoebiasis, pathologic review of autopsies; comparison axenic and monoxenic cultures, multiple enzymes present, relationship between acid phosphatase and invasive capacity of parasite

Pathology, Protozoa
Villegas-Gonzalez, J.; Fastag de Shor, A.; and Villegas-Silva, R., 1976, Bol. Med. Hosp. Inf., v. 33 (1), 137-149
Toxoplasma gondii, human congenital infections, pathology

Pathology, Protozoa
Visvesvara, G. S.; and Balamuth, W., 1975, J. Protozool., v. 22 (2), 245-256
Acanthamoeba, Naegleria, Hartmannella, comparative studies on free-living and pathogenic amebae: cyst structure; nutrition; protein composition; immunology; cell free plaques and other cytopathic effects; phospholipase liberation; sensitivity to amphotericin B

Pathology, Protozoa
Visvesvara, G. S.; and Callaway, C. S., 1974, J. Protozool., v. 21 (2), 239-250
Naegleria fowleri, pathogenesis in mice and in monkey kidney cell cultures, observations show that amebas invade and destroy brain tissue by active phagocytosis

Pathology, Protozoa
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Naegleria fowleri, mechanism of pathogenesis in mouse brain and in monkey kidney cell cultures, light and electron microscopy, observations clearly show that amoebae invade and destroy brain tissue by active phagocytosis

Pathology, Protozoa
Vivares, C. P.; Trellu, J.; and Ceccaldi, H. J., 1977, Experientia, v. 33 (10), 1311-1312
Thelohania maenadis-infected vs. uninfected Carcinus mediterraneus, electrophoregrams (proteingram and zymogram) of hemolymph proteins, parasitized crabs show increase in chymotrypsin activity and variations in zones of esterase activity

Pathology, Protozoa
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immunopathology of malaria, extensive review: immunosuppression and auto-immunity; tropical splenomegaly syndrome; nephrotic syndrome

Pathology, Protozoa
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Babesia bovis, new-born Brown Swiss calf (blood, brain capillaries), neuropathological lesions, fatal infection: Cwaka College, Kwazulu

Pathology, Protozoa
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Cytauxzoon-like organisms, cats, case histories, diagnosis, pathology: southwestern Missouri

Pathology, Protozoa
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cysts in heart and gizzard of parakeets resembling megaloschizonts of Leucocytozoon or Akiba, description, clinical signs of disease, lesions, pathology, case report: England

Pathology, Protozoa
Walker, M. H.; and Hinsch, G. W., 1975, J. Parasitol., v. 61 (6), 1074-1080
Nosema sp., mature spore, structure, cytochemistry, changes in infected cells

Pathology, Protozoa
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Pneumocystis carinii pneumonia in humans, histopathology of typical and atypical features found on lung biopsy, importance of differential diagnosis especially in immunologically compromised patients

Pathology, Protozoa
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chronic malarial infections, mice, histologic changes in spleen and liver, depression of IgG plaque-forming cell response, chronically infected mice as laboratory model for tropical splenomegaly

Pathology, Protozoa
Weidner, E., 1976, J. Protozool., v. 23 (2), 234-238
Glugea stephani-induced xenoma in Pseudopleuronectes americanus, ultrastructure of peripheral zone

Pathology, Protozoa
Weise, M.; and Voller, A., 1975, Tropenmed. und Parasitol., v. 26 (4), 390-394
Plasmodium brasilianum, proteinuria and other pathologic changes in urinary tract of Aotus trivirgatus (exper.), possible use of Aotus-P. brasilianum system to study renal immunopathology of human malaria

Pathology, Protozoa
Weiser, J., 1975, J. Protozool., v. 22 (3), 70A [Abstract]
microsporidians in simuliids (including Pleistophora debaisieuxi in Odagmia ornata; and Glugea), provocation of neoplastic xenoma

Pathology, Protozoa
Weiser, J., 1976, Ztschr. Parasitenk., v. 48 (3-4), 263-270
Pleistophora debaisieuxi, xenomas (xenoparasitic complexes or parasite-host interactions) in blackflies, Odagmia ornata (fat body), syncytial and neoplastic types, morphology: Kokorin near Prague

Pathology, Protozoa
Wellde, B. T.; et al., 1973, Isotopes and Radiation Parasitol. III, 181-183
Trypanosoma congolense, cattle, clinical signs and parasitaemia, haematology, serum proteins, serum biochemical components, histopathologic findings, diagnosis by complement fixation test compared with indirect fluorescent antibody test

Pathology, Protozoa
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Cytauxzoon, cats (blood), clinical features, pathology, diagnosis, morphology compared with Haemobartonella felis

Pathology, Protozoa
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Toxoplasma gondii, guidebook for physicians and veterinarians, morphology, life cycle, diagnosis, epidemiology, pathology, prenatal infection, veterinary aspects, extensive review

Pathology, Protozoa
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Pathology, Protozoa
Wilkins, D.; and Lee, D. L., 1976, Parasitology, v. 72 (1), 51-63
Histomonas meleagridis, caecal wall and liver of infected turkey poults, changes in amount and distribution of acid and alkaline phosphatase, non-specific esterase, glycogen, lipid, and acid mucopolysaccharide

Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
Witlock, D. R.; and Ruff, M. D., 1977, J. Parasitol., v. 63 (2), 193-199
5 Eimeria spp. compared, intestinal mucosal surface damage in infected chickens observed by scanning electron microscopy

Pathology, Protozoa
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Eimeria [sp.] similar to E. truncata causing renal coccidiosis in Anas platyrhynchos and A. acuta, pathologic changes, ureteral trematodes and cestodes also present in A. platyrhynchos: Saskatoon, Saskatchewan

Pathology, Protozoa
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protozoan, disease syndrome, histopathology, transmission studies unsuccessful: St. Petersburg, Florida

Pathology, Protozoa
Woodruff, A. W., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 313-328
mechanisms involved in anemia associated with infection (schistosomiasis, kala-azar, malaria, trypanosomiasis) and splenomegaly in tropics, complement activation leading to hemolysis and splenomegaly due to erythrophagocytosis, review

Pathology, Protozoa
Woodruff, A. W.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 329-337
Trypanosom[a] rhodesiense, human, mechanism of anemia, complement coating of erythrocytes and subsequent haemolysis, splenic enlargement due to erythrophagocytosis within spleen

Pathology, Protozoa
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Babesia argentina, B. babesia, splenectomised calves (exper.), haematology

Pathology, Protozoa
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purification of esterase from Babesia argentina, probable role in in vitro activation of plasma prekallikrein, implications for mechanism of vasodilatory shock and disseminated intravascular coagulation in acute infections

Pathology, Protozoa
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Giardia lamblia, humans, quantification of lymphocytic infiltrate in jejunal epithelium, increased numbers of intraepithelial lymphocytes in patients with giardiasis and abnormal intestinal absorption compared with both control patients and patients with giardiasis and normal absorption

Pathology, Protozoa
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chicks, interaction of aflatoxin with Eimeria tenella infection and monensin: E. tenella and aflatoxin in combination significantly increased mortality and weight depression, and caused more severely reduced hemoglobin, packed cell volume, and plasma pigmentation; monensin sodium did not completely prevent mortality and weight depression in a mixed infection; coccidial lesion scores were less for combination of E. tenella and aflatoxicosis than for coccidiosis alone

Pathology, Protozoa
Wyler, D. J.; and Gallin, J. I., 1977, J. Immunol., v. 118 (2), 478-484
Plasmodium spp. in mice and monkeys, spleen-derived mononuclear cell chemotactic factor as a possible mechanism for splenic macrophage accumulation

Pathology, Protozoa
Yang, J.; and Scholten, T., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 16-22
Dientamoeba fragilis in humans, extensive epidemiologic survey, pathology, fecal examination diagnostic methods, periodicity, frequent occurrence in presence of Enterobius vermicularis suggests possibility of helminths as vectors: Toronto, Canada

Pathology, Protozoa
Yoeli, M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 24-35
Plasmodium berghei yoelii in mice (exper.), promising model for study of cerebral malaria in man caused by P. falciparum (history, origin of virulent strain, pathology, enzyme differentiation, virulence expressed by mutation and genetic change)

Pathology, Protozoa
Yoeli, M.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 4-5 [Demonstration]
Plasmodium berghei yoelii, virulent mutated strain, fulminating fatal cerebral infection in mice (exper.)

Pathology, Protozoa
Yoshizumi, M. O., 1976, Arch. Path. and Lab. Med., v. 100 (9), 487-490
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Pathology, Protozoa
Yvore, P.; and Guillaume, J., 1976, Ann. Recherches Vet., v. 7 (4), 343-348
Eimeria stiedai, rabbits, disturbance in lipid and energy metabolism

Pathology, Protozoa
Zuckerman, A., 1977, Exper. Parasitol., v. 42 (2), 374-446
Plasmodium, immunology, extensive review: immunodiagnosis and seroepidemiology; immunopathology; antigenic analysis; host responses; immunoglobulins; cell-mediated reactions

Pathology, Protozoa
Zuliani A., C.; and Garcia Cuestas, J., 1970, Pediatria, Bogota, v. 11 (3), 226-237
Entamoeba histolytica, review of pathologic findings and clinical symptoms from autopsies of 20 children who died from complications of intestinal perforation caused by amoebiasis: Colombia

Pathology, Protozoa
Zwart, P.; and Truyens, E. H. A., 1975, Vet. Parasitol., v. 1 (2), 175-183
Hexamita parva, pathogenic properties in 8 spp. of chelonians, kidneys especially affected

Pathology, Trematoda
Abdel-Daim, M. H.; et al., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 668-671
S[chistosoma] mansoni, S. haematobium, rural children, disordered tryptophan metabolism, vitamin deficiency

Pathology, Trematoda
Abou El-Hassan, A. A., 1976, Ztschr. Parasitenk., v. 50 (2), 186
Schistosoma mansoni, mice, blood lipid changes, phospholipid and cholesterin decreased

Pathology, Trematoda
Aboul-Enein, A., 1975, Medecine and Chir. Digest., v. 4 (3), 145-147
human schistosomal portal hypertension, associated lymph node pathology

Pathology, Trematoda
Adam, S. E. I.; and Magzoub, M., 1977, Brit. Vet. J., v. 133 (2), 201-210
Schistosoma mansoni, goats (exper.), clinical, pathological, parasitological and biochemical changes; goats possibly spreading disease to humans in rural areas: Sudan

Pathology, Trematoda
Ah, H.-S.; and Chapman, W. L., jr., 1976, Vet. Parasitol., v. 2 (3), 251-258
Paragonimus kellicotti, dog, severe pulmonary paragonimiasis, observation of extrapulmonary granulomatous lesions in liver, mediastinal lymph nodes, spermatic cord, and tunica vaginalis: Georgia, U.S.A.

Pathology, Trematoda
Akpom, C. A.; and Warren, K. S., 1975, J. Infect. Dis., v. 132 (1), 6-14
Schistosoma mansoni, chronic hepatosplenic schistosomiasis in mice, parasite and host responses to protein and calorie malnutrition

Pathology, Trematoda
Alvarez, V.; and Pefaur, J., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 2-5
chronic parasitic hepatitis discovered in Balaenoptera sp. whales, Lecithodesmus spinosus removed from bile ducts: Pacific Ocean off Chilean coast

Pathology, Trematoda
Anderson, P. H.; et al., 1977, Vet. Rec., v. 100 (3), 43-45
Fasciola hepatica, calves (exper.), enzyme activity in plasma or serum, serum concentrations of proteins, urea and bilirubin; glutamate dehydrogenase and gamma-glutamyl transpeptidase most sensitive indicators of liver cell damage

Pathology, Trematoda
Ansari, M. Z.; and Prasad, M. C., 1976, Indian J. Animal Sc., v. 45 (3), 1975, 166-168
Opisthorchis noverca, dogs (liver), pathology: Izatnagar/Bareilly

Pathology, Trematoda
Ansari, M. Z.; and Singh, K. S., 1974, Indian J. Animal Sc., v. 43 (5), 1973, 438-446
Opisthorchis noverca, dogs, histochemical changes in liver

Pathology, Trematoda
Arora, R. G.; and Iyer, P. K. R., 1974, Indian J. Animal Sc., v. 43 (8), 1973, 720-723
Fasciola gigantica, sheep, goats, gross and histological study of lesions in liver during early and advanced stages of infection; presence of iron pigment in macrophages and Kupffer's cells, and egg granulomas in hepatic parenchyma: slaughterhouses, Izatnagar (Uttar Pradesh)

Pathology, Trematoda
Ashizawa, H.; et al., 1976, Bull. Fac. Agric. Univ. Miyazaki, v. 23 (1), 79-86
Paragonimus westermani, dog, pathology of lung, spleen, and diaphragm, case report o apparent aberrant migration from lungs to spleen and diaphragm

Pathology, Trematoda
Ashizawa, H.; et al., 1976, Bull. Fac. Agric. Univ. Miyazaki, v. 23 (2), 383-393
Tetragomphius sp. in Martes melampus melampus (pancreatic duct), mixed infection with small flukes (probably Concinnum ten), pathological changes: Miyazaki Prefecture

Pathology, Trematoda
Badawi, T.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (9), 201-204
human schistosomiasis with hepatic fibrosis and ascites, effect of decongestion operation on renal hemodynamics

Pathology, Trematoda
Badr, M. H.; and Abdel-Aziz, O., 1976, Egypt. J. Bilharz., v. 3 (1), 79-88
schistosomiasis, assessment of left ventricular cardiac function in infected humans, especially those persons with schistosomal cor pulmonale

Pathology, Trematoda
Badran, I.; et al., 1973, Med. J. Cairo Univ., v. 41 (4), 245-268
extensive clinical review of human schistosomal proctocolonic polyposis, medical treatment with ambilhar and iron therapy for severe anemia, indications for surgery in more severe cases: Egypt

Pathology, Trematoda
Balbo, T.; et al., 1973, Ann. Fac. Med. Vet. Torino, v. 20, Suppl., 33-71
Fasciola hepatica, cattle (exper.), clinical and diagnostic aspects (coprology; blood picture; serum proteins; immunological determination of albumins and globulins; serum enzymes; bilirubin; BSF; serum minerals; body weight gain)

Pathology, Trematoda
Barsoum, R. S.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 387-391
human hepatosplenic schistosomiasis with renal involvement and associated renal salmonellosis, possible relationships in pathogenesis of renal lesions

Pathology, Trematoda
Bartoli, P., 1973, Bull. Mus. Nat. Hist. Nat., Paris, 3.s. (117), Zool. (91), 319-334
Gymnophallus fossarum in Cardium glaucum, penetration of cercariae and migration, microbiotopes occupied by metacercariae, variation in numbers of metacercariae in the 2 microbiotopes in relation to host size, relation between microbiotope occupied by metacercariae and certain anomalies of host test

Pathology, Trematoda
Bartoli, P., 1973, Bull. Mus. Nat. Hist. Nat., Paris, 3.s. (117), Zool. (91), 335-349
Gymnophallus fossarum in Tapes decussatus (nat. and exper.)(espace extrapalleal peripherique, espace extrapalleal sous-articulaire), relative importance of 2 microbiotopes, host reactions (encapsulation, tissue degradation), changes in metacercariae, heterogeneity of distribution within microbiotope extrapalleal peripherique, variation in numbers of metacercariae in the 2 microbiotopes in relation to host size, comparison with Cardium glaucum: lagune de Beauduc

Pathology, Trematoda
Bartsch, R. C.; and Ward, B. C., 1976, Vet. Path., v. 13 (4), 241-249
Heterobilharzia americana, raccoons (liver, mesenteric veins, lungs, intestine), visceral lesions described: southeastern Florida

Pathology, Trematoda
Bassily, S.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (11), 256-258
Schistosoma mansoni in humans, Salmonella and schistosomal associated nephrotic syndrome, pathologic changes, immunoglobulin levels and serum complement pre- and post-treatment with niridazole and ampicillin

Pathology, Trematoda
Beaver, P. C.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 422-426
Alaria-like previously undescribed species of subfamily Alariinae, mesocercaria removed from each of two intradermal swellings on thigh and iliac crest of man, morphologic features, infection probably resulted from ingestion of raw or undercooked game animal (probably raccoon): Louisiana

Pathology, Trematoda
Beccaria, A.; et al., 1976, Minerva Med., v. 67 (47), 3033-3038
Fasciola hepatica in man with resulting bile duct obstruction, case report, surgical removal: Italy

Pathology, Trematoda
Belgraier, A. H., 1976, N. York State J. Med., v. 76 (6), 936-937
Fasciola hepatica in human resulting in common bile duct obstruction, fluke discovered during surgery for cholelithiasis, surgical and clinical case report: New York (native Puerto Rican)

Pathology, Trematoda
Berry, C. I.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 288-289 [Demonstration]
Schistosoma mattheei, sheep (exper.), reduced infectivity of cercariae after maintenance in a hamster colony apparently resulting in reduction of fecundity of worms

Pathology, Trematoda
Berry, C. I.; and Dargie, J. D., 1976, Vet. Parasitol., v. 2 (4), 317-332
Fasciola hepatica, sheep, role of host nutrition in pathogenesis, effects of diets providing different protein intake and of a switch from high to low protein diet on anemia, hypoalbuminemia, and weight

Pathology, Trematoda
Bhagwandeen, S. B., 1969, Med. J. Zambia, v. 3 (3), 46-47, 52
macroscopic and microscopic examination of urinary tract pathology resulting from human schistosomiasis with suggestions for clinical management

Pathology, Trematoda
Bhatia, B. B.; Rai, D. N.; and Hajela, S. K., 1976, Indian J. Animal Sc., v. 46 (2), 100-104
experimental Schistosoma incognitum infection, albino mice, morphological changes in liver

Pathology, Trematoda
Bitakaramire, P. K., 1973, Isotopes and Radiation Parasitol. III, 23-32
Fasciola gigantica, calves, immunization with gamma-irradiated metacercariae, pathology, albumin and iron turnover in vaccinated vs. non-vaccinated groups

Pathology, Trematoda
Boros, D. L., 1976, Ann. N. York Acad. Sc., v. 278, 36-46
Schistosoma mansoni, granuloma formation etiology, cell-mediated immunity aspects, review

Pathology, Trematoda
Boros, D. L.; Pelley, R. P.; and Warren, K. S., 1975, J. Immunol., v. 114 (5), 1437-1441
Schistosoma mansoni, mice, spontaneous modulation of granulomatous hypersensitivity, concomitant rise in circulating antibody levels and fall in spleen cell responsiveness to antigen

Pathology, Trematoda
Bourgeon, R.; et al., 1974, Nouv. Presse Med., v. 3 (25), 1616 [Letter]
Dicrocoelium dendriticum, 2 flukes removed from bile duct of woman undergoing exploratory surgery for cholelithiasis, clinical case report: France (native of Tunisia)

Pathology, Trematoda
Bourgeon, R.; et al., 1975, Nice-Med., v. 13 (4), 123-124
Dicrocoelium dendriticum in woman presenting as chronic cholelithiasis, clinical case report: France

Pathology, Trematoda
Bowry, T. S.; and Cameron, H. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 439-443
schistosomiasis, amoebiasis, causes of liver pathology in early childhood in Kenya

Pathology, Trematoda
Brown, J. N.; and Smith, T. M., 1977, Comp. Biochem. and Physiol., v. 57 (3B), 257-259
Schistosoma japonicum, neither L- nor D-tryptophan oxygenase activities detected in adult worms; S. mansoni vs. S. japonicum, differential effect of infection on L-tryptophan oxygenase in mouse livers

Pathology, Trematoda
Bruce, J. I.; and Pezzlo, F., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 563 [Demonstration]
Schistosoma mansoni, mice (exper.), ultrastructure of host skin, lung and liver and of migrating larva integument following cercarial penetration

Pathology, Trematoda
Byram, J. E.; and von Lichtenberg, F., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 944-956
Schistosoma mansoni, schistosome egg-induced lesions in nude mice compared with heterozygous controls, nude mice lacked hypersensitivity granulomas and failed to sequester toxic egg products which resulted in zonal hepatocellular damage

Pathology, Trematoda
Campbell, N. J.; and Jackson, C. A. W., 1977, Austral. Vet. J., v. 53 (1), 29-31
Sphaeridiotrema globulus, high mortality in muscovy ducks, pathology

Pathology, Trematoda
Cha, Y. N.; and Edwards, R., 1976, J. Pharmacol. and Exper. Therap., v. 199 (2), 432-440
Schistosoma mansoni, mice, effect of infection on hepatic drug-metabolizing capacity, implications for metabolism of antischistosomal drugs

Pathology, Trematoda
Chandra, G.; and Poliakova-Krusteva, O., 1974, Izvest. Tsentral. Khelmint. Lab., v. 17, 153-160
Dicrocoelium lanceatum, guinea pigs (exper.), enzyme-histochemical changes in liver

Pathology, Trematoda
Chastel, C.; Thomas, J.; and Bordahandy, R., 1971, Medecine Trop., v. 31 (3), 327-332
unidentified fluke causing fatal hepatic distomiasis and multiple necrotic abscesses of abdominal subcutaneous tissues in young child: Biafran Zone of Nigeria

Pathology, Trematoda
Cheever, A. W.; et al., 1976, Am. J. Path. (412), v. 84 (3), 673-676
Schistosoma haematobium in capuchin monkeys (Cebus apella) (exper.), infection resulting in carcinoma of the urinary bladder, possible model for human infections

Pathology, Trematoda
Cheever, A. W.; Young, S. W.; and Shehata, A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 410-414
human Schistosoma haematobium, possible relationships of radiologically demonstrable bladder calcifications to eggs in tissues and passage of eggs in urine

Pathology, Trematoda
Chou, S. T.; and Chan, C. W., 1976, Pathology, v. 8 (4), 321-328
Clonorchis sinensis in humans, 92% association (survey of 50 autopsies) between clonorchiasis and presence of mucin-producing cholangiocarcinoma, also association between degree of mucin secretion and presence and severity of parasite infection, clinical report: Hong Kong

Pathology, Trematoda
Chung, N. Y.; Miyahara, A. Y.; and Chung, G., 1977, J. Am. Animal Hosp. Ass., v. 13 (2), 258-262
Platynosomum fastosum, cats (livers), prevalence, pathology: animal shelter, Honolulu, Hawaii

Pathology, Trematoda
Cohen, J.; et al., 1977, Brit. Med. J. (6071), v. 1, 1258
Schistosoma mansoni in man, severe schistosomal myelopathy with paraplegia, sensory deficit and bladder dysfunction, poor response to niridazole and prednisolone, evidence that spinal cord injury of immunologic nature mediated by response to worm and/or ova antigen: London (resident of Sudan)

Pathology, Trematoda
Colley, D. G., 1975, J. Immunol., v. 115 (1), 150-156
Schistosoma mansoni, mice, chronic primary infection, immune responses to soluble egg antigen (lymphocyte blastogenesis, production of lymphokine eosinophil stimulation promoter, haemagglutinating antibody, PGA antibodies, peripheral blood eosinophilia), relationship to anti-egg granulomatous response and pathogenesis of the disease

Pathology, Trematoda
Collins, K. J.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 410-421
Schistosoma mansoni, human (194 cane cutters), physical characteristics and hemoglobin concentration, effect of infection on physiological tests of work performance and heat tolerance under laboratory conditions, findings related to productive output in performing self-paced task under natural working conditions: Guneid, Sudan

Pathology, Trematoda
Crowden, A. E., 1976, Parasitology, v. 73 (2), vii [Abstract]
Diplostomum spathaceum-infected Leuciscus leuciscus, decreased feeding efficiency, increased time spent feeding, more heavily infected fish spend more time in surface layers of water where more vulnerable to predation by birds, "Infection of fish by D. spathaceum metacercariae seems to alter the fish behaviour to the parasite's advantage without causing too high a level of wasteful mortalities.": River Thames

Pathology, Trematoda
Czeczuga, B.; and Gierasimow, M., 1977, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 25 (1), 55-58
Fasciola hepatica, amino acid content in protein higher in fluke than in bovine liver, adverse effect on host

Pathology, Trematoda
Dallochio, M.; et al., 1974, Nouv. Presse Med., v. 3 (16), 1034 [Letter]
distomiasis in man with resulting endomyocardial fibrosis, history of eating water cress, clinical case report: France

Pathology, Trematoda
Damian, R. T.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 299-306
Schistosoma mansoni in Papio cynocephalus, parasitological, clinical, and histopathological observations, development of immunity

Pathology, Trematoda
Daniels, B. A.; and Freeman, R. S., 1976, J. Parasitol., v. 62 (1), 59-62
Corrigia obscura sp. n. in Anas rubripes, hyperplasia, sloughing of wall of pancreatic ducts

Pathology, Trematoda
Dargie, J. D.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 249-271
Fasciola hepatica, rats, cattle, sheep, active immunization, passive transfer of immunity by cells and serum, pathogenetic mechanisms underlying development of hepatic fibrosis

Pathology, Trematoda
Dargie, J. D.; et al., 1977, J. Helminthol., v. 51 (3), 177-188
Schistosoma mattheei (strain maintained in hamsters), sheep (exper.), pathogenesis, almost complete absence of disease apparently due to attenuation by hamster passage, comparison with previous findings indicates that major factor in aetiology of severe infection is intestinal bleeding caused by passage of eggs through bowel wall

Pathology, Trematoda
Davtian, E. A.; Boiakhchian, G. A.; and Balaian, D. E., 1976, Biol. Zhurnal Armenii, v. 29 (7), 3-13
fascioliasis and cysticercosis, sheep, various aspects of pathogenesis (role of hypovitaminosis-A and mechanisms and dynamics of its origin, origin of vitamin E insufficiency, thyroid insufficiency, role of endogenous copper insufficiency, interaction of copper sulfate with vitamins A and E); possible use of copper sulfate as treatment

Pathology, Trematoda
Dunn, M. A.; et al., 1977, J. Clin. Invest., v. 59 (4), 666-674
Schistosoma mansoni-infected mice, liver collagen synthesis, reproducible animal model of immunologically stimulated human liver fibrosis

Pathology, Trematoda
Eckert, J.; et al., 1977, Schweiz. Arch. Tierh., v. 119 (4), 135-148
Fasciola hepatica, cattle (liver, bile ducts), subacute fascioliasis, clinical findings, pathology, antibodies and increased GLDH levels in sera of coprologically positive animals, nitroxynil, rafoxanide, decreased excretion of Fasciola eggs but a parasitological cure was not achieved, outbreak possibly caused by liquid manure on fodder, recommended control measures: dairy farm near Zurich

Pathology, Trematoda
Edington, G. M.; Nwabuebo, I.; and Junaid, T. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 153-162
Schistosoma haematobium in humans, review of autopsies for pathologic changes in appendix, brain, pancreas and reproductive organs, relationship of pathologic findings and egg burden to infection intensity: Ibadan, Nigeria

Pathology, Trematoda
Eldefrawi, E. A.; Mohasseb, Z. S.; and El-Zalaki, E. M., 1975, Alexandria J. Agric. Research, v. 23 (2), 239-242
Fasciola gigantica, lambs, type of ration influences rate of myoglobin oxidation, reduced rate of oxidation in infected lambs, meat quality

Pathology, Trematoda
El Hassan, A. M.; et al., 1977, Trop. and Geogr. Med., v. 29 (1), 56-64
Schistosoma mansoni, S. haematobium, comparison survey of autopsy materials for pathology from schistosomal infections: Sudan

Pathology, Trematoda
El-Zayadi, A. M.; et al., 1974, Tropenmed. u. Parasitol., v. 25 (2), 147-152
Schistosoma haematobium, human, renal function tests before and after antibilharzial treatment: Egypt

Pathology, Trematoda
Erickson, D. G.; Barr, J. F.; and Southworth, G. C., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 613-614 [Letter]
Schistosoma japonica, rabbits, serum monamine oxidase activity; possible value in evaluating liver fibrosis

Pathology, Trematoda
Evans, W. A., 1974, J. Wildlife Dis., v. 10 (3), 243-248
Salmo clarki experimentally infected with Sanguinicola klamathensis by exposure to infected Fluminicola fusca; pathological effects to trout included necrosis and calcification of heart and kidney tissue and hyperplasia of gills, 80% mortality after 3 months exposure

Pathology, Trematoda
Ezzat, E.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 315-318
Schistosoma haematobium in humans, comparative study with matched controls supports theory that schistosomiasis is a cause of nephritis and proteinuria: Egypt

Pathology, Trematoda
Farid, Z.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (7), 164-166
some lesions of human schistosomiasis reversible if diagnosed and treated early

Pathology, Trematoda
Fernandes, B. J.; et al., 1976, Canad. Med. Ass. J., v. 115 (11), 1111-1114
Alaria americana mesocercariae, massive infection in man with parasites present throughout body, bithionol therapy unsuccessful, diagnosis by lung biopsy confirmed at autopsy, infection probably from eating undercooked frogs' legs, generalized immunologic reactions, clinical report: Ontario, Canada

Pathology, Trematoda
de Figueiredo, N.; et al., 1968, Bol. Chileno Parasitol., v. 23 (1-2), 57-59
intestinal histopathology as ascertained by oral biopsies, common human intestinal parasites

Pathology, Trematoda
Fine, J., 1969, Med. J. Zambia, v. 3 (2), 27-35
autopsy and surgical findings of pathology resulting from human schistosomiasis, possible relationships with bladder cancer: Zambia

Pathology, Trematoda
Fine, J., 1975, Med. J. Zambia, v. 9 (4), 98-101
survey of post-mortem reports for possible relationships between human schistosomiasis and hydronephrosis: Zambia

Pathology, Trematoda
Foreyt, W. J.; and Todd, A. C., 1976, J. Parasitol., v. 62 (1), 26-32
Fascioloides magna, comparative development and pathology in white-tailed deer, cattle, and sheep: growth rate, percentage recovery, character of infection

Pathology, Trematoda
Foreyt, W. J.; and Todd, A. C., 1976, J. Parasitol., v. 62 (1), 144-145
successful intraperitoneal and oral infection of Odocoileus virginianus with metacercariae of Fasciola hepatica and Fascioloides magna, histopathologic lesions associated with patent F. hepatica infections

Pathology, Trematoda
Foster, J. R., 1977, Parasitology, v. 75 (2), vi [Abstract]
Fasciola hepatica, rats, elemental changes occurring in liver following fluke damage, calcium and sodium levels increase and potassium and magnesium levels decrease, phosphorus is fairly constant

Pathology, Trematoda
Freeman, R. S.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (6), 803-807
Alaria americana, fatal human infection, several thousand mesocercariae extensively distributed throughout body, death resulted from asphyxiation due to extensive pulmonary hemorrhage probably caused by immune-mediated mechanisms, circumstances suggest inadequately cooked frog legs as source of infection, Rana clamitans, R. pipiens, R. catesbiana, and Thamnophis sirtalis in vicinity of family farm found to be infected with Alaria spp.: Ontario, Canada

Pathology, Trematoda
Gad-El-Mawla, N.; et al., 1973, Med. J. Cairo Univ., v. 41 (4), 309-314
possible correlations of estrogen-containing contraceptive pills in the presence of schistosomal hepatic fibrosis with intramammary duct hyperplasia and cancer, exper. mice

Pathology, Trematoda
Garcia, E. G., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 282-288
Schistosoma japonicum, humans, pathophysiology, granuloma formation caused by delayed type hypersensitivity reaction to eggs in tissue

Pathology, Trematoda
Gawish, N., 1976, Egypt. J. Bilharz., v. 3 (1), 115-119
Schistosoma mansoni, S. haematobium, central nervous system pathology in infected humans and hamsters (exper.) compared, migratory pathways of ova to spinal cord shown by means of pathologic tissue changes

Pathology, Trematoda
Gelfand, M., 1969, Med. J. Zambia, v. 3 (2), 14-25
diagnostic signs of human schistosomal disease with discussions on associated urinary tract pathology and possible relationships with hypertension and bladder cancer

Pathology, Trematoda
Gleason, L. N., 1977, Tr. Kentucky Acad. Sc., v. 38 (1-2), 62-68
Fasciola hepatica, Hymenolepis nana, concurrent infestations in mice (exper.), pathology and variation in sequence and timing of infestations

Pathology, Trematoda
Grimaud, J. A.; and Borojevic, R., 1977, Experientia, v. 33 (7), 890-892
Schistosoma mansoni, myofibroblasts identified in liver portal spaces of patients with Symmer's fibrosis

Pathology, Trematoda
Grimaud, J. A.; and Borojevic, R., 1977, Lab. Invest., v. 36 (3), 268-273
S[chistosoma] mansoni, human hepatic chronic infection, light and electron microscopy of pathologic changes affecting the space of Disse

Pathology, Trematoda
Grimaud, J. A.; Borojevic, R.; and El Badrawy, N., 1977, Experientia, v. 33 (8), 1078-1079
chronic human schistosomiasis, IgG deposits identified in Disse's spaces of liver of patients with advanced Symmers' fibrosis, shows participation of immunological reactions to this pathological alteration

Pathology, Trematoda
Grimaud, J. A.; Borojevic, R.; and dos Santos, H. A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 73-77
Schistosoma mansoni, schistosomal pigment in human and murine infections, possible participation in pathogenesis

Pathology, Trematoda
Grove, D. I.; and Warren, K. S., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 608-612
hamsters used as laboratory model for study of human Schistosoma mansoni infections, relation of intensity of infection to severity of disease, effect of these parameters on mortality, weight loss and development of acute hepatic disease assessed

Pathology, Trematoda
Hanumante, M. M.; Nagabhushanam, R.; and Vaidya, D. P., 1977, Indian J. Exper. Biol., v. 15 (5), 413-414
amphistome-infected Indoplanorbis exustus, changes in neurosecretory cells

Pathology, Trematoda
Haroun, E. M.; and Hussein, M. F., 1975, J. Helminth., v. 49 (3), 143-152
Fasciola gigantica, pathological, haematological, and biochemical aspects of naturally occurring bovine fascioliasis: Sudan

Pathology, Trematoda
Haroun, E. M.; and Hussein, M. F., 1976, J. Helminth., v. 50 (1), 29-30
Fasciola gigantica, calves (exper.), pathological, haematological, and biochemical aspects of infection

Pathology, Trematoda
Hass, D. K., 1976, Experientia, v. 32 (11), 1390-1391
Schistosoma mansoni-infected rhesus monkeys, significant reduction in plasma cholinesterase activity

Pathology, Trematoda
Henson, E.; et al., 1972, J. Reticuloendothel. Soc., v. 11 (4), 313-324
Schistosoma mansoni, mice, treatment with propiomazine alone or in combination with epinephrine inhibits granuloma formation and prolongs host survival without killing parasite or inhibiting its egg production, suggests alternate approach to treatment of schistosomiasis

Pathology, Trematoda
Hiatt, R. A., 1976, Am. J. Trop. Med. and Hyg., v. 25 (6), 808-817
Schistosoma mansoni, human, assessment of public health impact, frequency of signs and symptoms in relation to prevalence and intensity of infection based on quantitative analysis of egg excretion, age and sex differences: Twawuzgi vs. Guramba, Highland Ethiopia

Pathology, Trematoda
Hiatt, R. A.; and Gebre-Medhin, M., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 473-481
Schistosoma mansoni, population-based clinical and quantitative parasitological parameters of infections in Highland Ethiopia

Pathology, Trematoda
Higashi, G. I.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 713-714
Schistosoma mansoni, nephrotic syndrome complicated by chronic salmonellosis, studies suggest active role of Salmonella rather than schistosomiasis as cause of associated pathology

Pathology, Trematoda
Holmes, P. H.; et al., 1977, J. Helminth., v. 51 (2), 95-104
S[chistosoma] mansoni in Papio anubis (exper.), acute infections, erythrokinetic studies

Pathology, Trematoda
Holmes, P. H.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 289 [Demonstration]
S[chistosoma] mansoni, baboons (exper.), minimal pathophysiological disturbances despite heavy parasite burdens

Pathology, Trematoda
Hoshino-Shimizu, S.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 492-496
Schistosoma mansoni, human, demonstration of schistosomal antigens in kidney infections, characterization of specific antigens and antibodies localized in kidney, evidence that renal injury is mediated through immune complex disease

Pathology, Trematoda
Houba, V.; Sturrock, R. F.; and Butterworth, A. E., 1977, Clin. and Exper. Immunol., v. 30 (3), 439-449
Schistosoma mansoni, kidney lesions at different stages of disease in Papio anubis infected with different doses of cercariae with special emphasis on identification of antigens involved

Pathology, Trematoda
Hsu, C.-K.; et al., 1976, Nature, London (5567), v. 262, 397-399
Schistosoma mansoni, immunopathology in athymic mice vs. normal heterozygous mice, investigations of necessity of T-cell participation in eosinophil response, IgE formation, granuloma formation, and lymphocyte responsiveness

Pathology, Trematoda
Hsu, S. Y. L.; et al., 1972, J. Reticuloendothel. Soc., v. 12 (4), 418-435
Schistosoma mansoni and S. japonicum in various experimental hosts, comparative studies of cellular structures of granulomata elicited by eggs, established that these are organized epithelioid cell granulomata

Pathology, Trematoda
Hsu, S. Y. L.; et al., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 349-356
Schistosoma japonicum, S. mansoni, comparative studies on lesions caused by eggs in liver of hamsters, guinea pigs, and albino rats, relationship between host susceptibility and development of schistosome granulomata

Pathology, Trematoda
Hsu, S. Y. L.; et al., 1975, J. Reticuloendothel. Soc., v. 18 (3), 167-185
Schistosoma japonicum, rhesus monkeys, mechanism of immunity studied by histopathologic examinations of skin lesions elicited during immunizations and challenge with cercariae, role of cell-mediated immunity, significance of time of appearance of eosinophils, role of synergistic and cooperative functions of T and B cells

Pathology, Trematoda
Hsu, S. Y. L.; et al., 1977, Exper. Parasitol., v. 43 (1), 189-195
Schistosoma japonicum-immunized Macaca mulatta, exposure to highly irradiated cercariae as a test to determine prechallenge state of immunity by studying histopathological lesions in skin, test appears to be harmless to hosts

Pathology, Trematoda
Hussein, M. F.; et al., 1975, Ann. Trop. Med. and Parasitol., v. 69 (2), 217-225
Schistosoma bovis, cattle, gross and histopathological lesions, haematological and serum protein findings: Sudan

Pathology, Trematoda
Hussein, M. F.; and Amin, M. B. A., 1973, Isotopes and Radiation Parasitol. III, 91-100
Schistosoma bovis, S. mattheei, domestic animals, pathology, immunology, review

Pathology, Trematoda
Hussein, M. F.; Bushara, H. O.; and Ali, K. E., 1976, J. Helminth., v. 50 (4), 235-241
Schistosoma bovis, sheep (exper.), parasitological, clinical, and pathological aspects, severe pathological lesions reveal high pathogenicity for ovines

Pathology, Trematoda
Hussein, M. F.; and Haroun, E. M., 1977, Brit. Vet. J., v. 133 (3), 316-317
Fasciola gigantica, zebu cattle, pulmonary lesions, pathology: Sudan

Pathology, Trematoda
Ibrahim, S. I.; et al., 1976, Med. J. Cairo Univ., v. 44 (2), 187-194
statistical review of pathologic findings at autopsy of cases of pancreatic schistosomiasis, no etiologic relationship with pancreatic cancer: Egypt

Pathology, Trematoda
Imai, J.; Abe, H.; and Murakami, F., 1974, Nettai Igaku (Trop. Med.), v. 16 (1), 21-26
Fasciola sp. resembling F. gigantica discovered in surgically removed cyst adhering to duodenum wall and head of pancreas of young girl, diagnostic difficulties, clinical management: Nagasaki Prefecture, Japan

Pathology, Trematoda
Isseroff, H.; Girard, P. R.; and Leve, M. D., 1977, Exper. Parasitol., v. 41 (2), 405-409
Fasciola hepatica, bile duct enlargement induced in rats after intraperitoneal transplantation of worms in fine mesh sacks, results suggest that biliary tract hyperplasia is induced by chemical factor since sacks prevented physical contact

Pathology, Trematoda
Isseroff, H.; Sawma, J. T.; and Reino, D., 1977, Science (4322), v. 198, 1157-1159
proline infused into abdominal cavity of rats caused bile duct hyperplasia resembling that produced in early stages of fascioliasis, suggested that Fasciola hepatica (which synthesizes and releases large amounts of proline) induces bile duct enlargement by similar mechanism

Pathology, Trematoda
Jakobiec, F. A.; Gess, L.; and Zimmerman, L. E., 1977, Arch. Ophth., Chicago, v. 95 (2), 278-280
Schistosoma haematobium causing granulomatous dacryoadenitis in youth, localization at site of earlier trauma, possible immunologic implications, niridazole therapy: Sierra Leone

Pathology, Trematoda
Jones, C. E., 1977, Exper. Parasitol., v. 42 (2), 261-273
Schistosoma japonicum, rabbits, investigation of possible role of immune complexes in renal pathology and hepatic fibrosis: serum cryogelatification and cryoprecipitation phenomena; temporal aspects of anti-DNA response

Pathology, Trematoda
Jones, C. E.; et al., 1977, Exper. Parasitol., v. 42 (1), 221-234
Schistosoma japonicum, rabbits, circulating immune complexes, serum C1q and C3, semiquantitative assessment, relationship to renal pathology and hepatic fibrosis

Pathology, Trematoda
Jones, E. A.; et al., 1977, Am. J. Med., v. 63 (5), 836-842
Fasciola hepatica, massive infection in man (ova in feces) who frequently ate wild watercress (suitable habitat and infected snail hosts found near source of watercress), extensive clinical case report, successful therapy with bithionol after incomplete cure using chloroquine: Northwest England

Pathology, Trematoda
Kadhim, J. K., 1976, Pathophysiol. Parasit. Infect., 105-114
Fasciola gigantica, Awasi sheep (exper.), haematological changes

Pathology, Trematoda
Kaufmann, J. C. E., 1969, Med. Proc., Johannesburg, v. 15 (20), 355-360
review of schistosomiasis of human central nervous system, pathology, location of lesions, diagnosis, review

Pathology, Trematoda
Khamboonruang, C.; and Sakulwong, K., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 588 [Demonstration]
Fasciola hepatica, immature adult worm removed from abscess on right breast region of 9-year old girl, clinical report: Chiengmai, Thailand

Pathology, Trematoda
Kimura, S., 1975, Bull. Nippon Vet. and Zootech. Coll. (24), Dec., pp. 138-142 [Outline of thesis]
Fasciola [sp.], pathogenesis, clinical symptoms, and hematological changes in exper. infected cattle, goats, rabbits, and chickens; morphology in rabbits; intradermal reaction in cattle

Pathology, Trematoda
Kistner, T. P.; and Koller, L. D., 1975, J. Wildlife Dis., v. 11 (2), 214-220
Fasciola hepatica, Odocoileus hemionus columbianus (exper.) more susceptible and pathologic changes more severe than in sheep (exper.), O. hemionus columbianus probably not able to maintain infection long enough to serve as significant natural reservoir for F. hepatica in domestic livestock

Pathology, Trematoda
Knight, R.; and Warren, K. S., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (5), 644-651
mice, outcome of Entamoeba histolytica challenge at different stages of Schistosoma mansoni infection, synergistic relationship, interaction affected both infectivity of E. histolytica inoculum and also likelihood of amoebic tissue invasion, prepatent schistosome infections without effect and unisexual infections somewhat more susceptible than controls

Pathology, Trematoda
Knowles, E. E. III; and Hall, J. E., 1976, J. Invert. Path., v. 27 (3), 351-362
Allopodocotyle lepomis, penetration and development in mayfly naiads, histopathology, immune response

Pathology, Trematoda
Ko, R. C.; Lance, V.; and Duggan, R. T., 1975, Canad. J. Zool., v. 53 (8), 1181-1184
Hydrophitrema gigantica in Hydrophis cyanocinctus, prevalence and intensity of infection, seasonal distribution of size classes of worms, histopathology in lung: Hong Kong

Pathology, Trematoda
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Pathology, Trematoda
Kumar, G. M.; Sahai, B. N.; and Jha, G. J., 1975, Indian J. Animal Research, v. 9 (1), 27-32
Opisthorchis noverca, dogs, histopathology and histochemistry, liver and pancreas

Pathology, Trematoda
Kumar, V.; et al., 1975, J. Helminth., v. 49 (4), 289-292
Nasitrema attenuata, aspiration of trematode eggs as a possible cause of chronic pulmonary lesions; description of adult in Tursiops truncatus: Zoological Garden, Antwerp

Pathology, Trematoda
Kuntz, R. E.; et al., 1974, Proc. Helminth Soc. Washington, v. 41 (2), 221-223
Schistosoma intercalatum, Didelphis marsupialis (exper.), only minor pathologic changes, no involvement of urogenital system

Pathology, Trematoda
Kuntz, R. E.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 494-502
Schistosoma haematobium in Hylobates lar (exper.), resulting bladder calcifications and papillary tumors of bladder and ureters similar to human infection, possible laboratory model

Pathology, Trematoda
Kurniawan, A. N.; Hardjawidjaja, L.; and Clark, R. T., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 263-269
Schistosoma japonicum, clinical aspects and histo-pathology of human chronic hepatosplenic infections, diagnosis by liver biopsy: Indonesia

Pathology, Trematoda
Laemmler, G.; and Schuster, J., 1974, Tropenmed. u. Parasitol., v. 25 (1), 66-74
Schistosoma mansoni in Mastomys natalensis, chemotherapy with SQ 18.506, pathophysiological investigations (serum sorbitol dehydrogenase activity, numbers of leukocytes and eosinophilic granulocytes)

Pathology, Trematoda
Lamy, C.; et al., 1976, Nouv. Presse Med., v. 5 (15), 1005-1006 [Letter]
intestinal distomiasis in man who had recently traveled to Japan and eaten raw fish and aquatic plants, clinical case report, relief of symptoms with niclosamide: Caen, France

Pathology, Trematoda
Lawrence, J. A., 1973, Research Vet. Sc., v. 14 (3), 400-402
Schistosoma mattheei, calves (exper.), highly susceptible to infection and reinfection, parasites survive and maintain steady albeit low rate of reproduction for long periods, but immunological suppression of egg laying has marked limiting effect on clinical illness and absence of increase in egg excretion after reinfection provides effective protection against clinical effects of reexposure

Pathology, Trematoda
Lawrence, J. A., 1977, J. South African Vet. Ass., v. 48 (2), 77-83
Schistosoma mattheei, cattle (nat. and exper.), chronic hepatic syndrome, considered to be of immunological origin involving a cell-mediated immune response, usually after repeated heavy infestation: Rhodesia

Pathology, Trematoda
Lawrence, J. A., 1977, Research Vet. Sc., v. 23 (3), 280-287
Schistosoma mattheei, Friesian calves, clinical pathological changes after primary infection, two different planes of nutrition

Pathology, Trematoda
Le Bars, H.; and Banting, A. de L., 1976, Pathophysiol. Parasit. Infect., 75-82
Fasciola hepatica, sheep, rabbits, pathophysiology (serum proteins, enzymes, urea, lipids), concluded that rabbit cannot be used as model for pathophysiological studies

Pathology, Trematoda
Lechtenberg, R.; and Vaida, G. A., 1977, Neurology, v. 27 (1), 55-59
human schistosomiasis with spinal cord involvement, case reports, pathology, recommendations for surgical laminectomy for decompression and diagnosis along with prompt treatment with niridazole and cortisone: New York (previous inhabitants of Puerto Rico or Dominican Republic)

Pathology, Trematoda
Leger, L.; et al., 1974, Medecine Trop., v. 34 (6), 725-736
Schistosoma mansoni, Schistosoma japonicum, human schistosomal hepato-splenic schistosomiasis, pathology, diagnosis, surgical treatment of circulatory complications, clinical review

Pathology, Trematoda
Lehman, J. S., jr., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 426-427 [Letter]
Schistosoma haematobium, phenolsulphonphthalein excretion test as possible simple and safe field technique for detection of schistosomal obstructive uropathy as alternative to intravenous urography which is expensive and dangerous

Pathology, Trematoda
Lehman, J. S., jr.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 384-399
Schistosoma haematobium, men and boys, clinical evaluation, radiography, quantitative egg excretion, bacterial cultures, renal function, results analyzed by age, by symptoms, by presence of polypoid vs. calcified lesions, by presence or absence of obstructive uropathy, and by response to antischistosomal treatment: Egypt

Pathology, Trematoda
Lehman, J. S., jr.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 616-618
possible associations between Schistosoma mansoni infections and renal damage with proteinuria, humans

Pathology, Trematoda
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Schistosoma mansoni in a defined population, patterns of prevalence, intensity, hepatomegaly and splenomegaly with respect to age and sex: Castro Alves, Bahia, Brazil

Pathology, Trematoda
Leinati, L.; and Finazzi, M., 1976, Clin. Vet., Milano, v. 99 (3), 97-101
Fascioloides magna, Cervus elaphus, hepatic lesions, histology: Parco di Venaria Reale

Pathology, Trematoda
Lewinsohn, R., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 51-56
Schistosoma mansoni and Plasmodium berghei yoelii in mice (exper.), dynamics of anemia resulting from mixed infections

Pathology, Trematoda
von Lichtenberg, F., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 79-87
schistosomiasis, human, experimental approaches to subject of immunopathogenesis, workshop report

Pathology, Trematoda
von Lichtenberg, F.; et al., 1976, Am. J. Path. (412), v. 84 (3), 479-500
Schistosoma mansoni, eosinophil-enriched inflammatory response to schistosomula in skin of immune mice, immune cellular responses are limited to early time period after penetration and are morphologically suggestive of antibody-mediated response rather than of delayed hypersensitivity

Pathology, Trematoda
von Lichtenberg, F.; Sher, A.; and McIntyre, S., 1977, Am. J. Path. (419), v. 87 (1), 105-124
Schistosoma mansoni schistosomula, mice as experimental hosts for analyzing dynamics of cellular and humoral processes in lung, immunologic relationships to host resistance

Pathology, Trematoda
Lyra, L. G.; Reboucas, G.; and Andrade, Z. A., 1976, Gastroenterology, v. 71 (4), 641-645
hepatitis B surface antigen carrier state in hepatosplenic human Schistosoma mansoni, incidence and possible correlations with abnormal immune responses and hepatic pathology and cirrhosis

Pathology, Trematoda
McKenzie, R. A.; and Hall, W. T. K., 1976, Austral. Vet. J., v. 52 (5), 230-231
Strigeidae [sp.], mixed infection with Myxosporidia [sp.] and fungi, skin ulcers in Mugil cephalus, pathological findings: south-east Queensland

Pathology, Trematoda
Magzoub, M.; and Adam, S. E. I., 1973, J. Comp. Path., v. 83 (3), 429-435
Schistosoma mansoni Sudanese strain, mice, lucanthone hydrochloride treatment, criteria for assessment of therapeutic effect included mortality and distribution of worms and histological and histochemical changes in mouse liver

Pathology, Trematoda
Magzoub, M.; and Adam, S. E. I., 1977, Zentralbl. Vet.-Med., Reihe B, v. 24 (1), 53-62
Fasciola gigantica, Schistosoma bovis, zebu cattle (livers, mesenteric vessels), histopathology, mixed infections, metabolic activities, viability of eggs and infectivity to snail intermediate hosts are greater for F. gigantica than for S. bovis: Khartoum abattoir, Sudan

Pathology, Trematoda
Mahmoud, A. A. F.; Cheever, A. W.; and Warren, K. S., 1975, J. Infect. Dis., v. 131 (6), 634-642
Schistosoma mansoni in mice with streptozotocin-induced diabetes mellitus, no direct effect on parasite but profound effect on host reactivity, alleviation of clinical disease in acute stage probably related to generalized suppression of cellular hypersensitivity, exacerbation in chronic stage related to megalocytosis of hepatocytes

Pathology, Trematoda
Mahmoud, A. A. F.; and Warren, K. S., 1974, J. Immunol., v. 112 (1), 222-228
Schistosoma mansoni, mice, anti-inflammatory effects of tartar emetic and niridazole, suppression of schistosome egg granuloma

Pathology, Trematoda
Mahmoud, A. A. F.; and Woodruff, A. W., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 187-188
Schistosoma mansoni in mice (exper.), glomerular nephritis caused by immune complex deposits which contained complement

Pathology, Trematoda
Malherbe, W. D., 1970, Onderstepoort J. Vet. Research, v. 37 (1), 37-43
Schistosoma mattheei, sheep (exper.), acute and chronic infestations, clinical and pathological observations before and after onset of patency

Pathology, Trematoda
Manohar, L.; and Rao, P. V., 1977, Indian J. Exper. Biol., v. 15 (4), 268-270
[Prosthogonimus sp.]-infected Lymnaea luteola vs. uninfected snails, in vitro gluconeogenesis in isolated pedal muscle slices

Pathology, Trematoda
Manohar, L.; and Rao, P. V., 1977, Indian J. Exper. Biol., v. 15 (4), 264-267
Prosthogonimus sp.-infected Lymnaea luteola, gluconeogenic precursor levels and related enzyme activity profiles, alterations in host metabolism aimed at meeting demands of parasite

Pathology, Trematoda
Marcial-Rojas, R. A., 1973, Liver (Gall), 431-465
hepatic parasitic diseases, humans, classification based on type and extension of pathologic changes, extensive pathologic review, highlights of epidemiology and parasitic life cycles

Pathology, Trematoda
Mikhail, M. M.; and Mansour, M. M., 1976, Clin. Chim. Acta, v. 71 (2), 207-214
Schistosoma mansoni and/or S. haematobium, patients with simple schistosomiasis vs. those with schistosomal polyposis all of whom showed signs of malnutrition, serum carnitine levels (and other haematological values) and liver function tests before and after nutritional repletion and ambilhar treatment, usefulness of serum carnitine as index of protein malnutrition

Pathology, Trematoda
Moore, M. N.; and Halton, D. W., 1976, Exper. Parasitol., v. 40 (2), 212-224
Fasciola hepatica, enzyme histochemistry in juvenile vs. adult flukes and in infected mouse liver (cytopathological changes), effects of exper. starvation of flukes on levels of staining and distribution of hydrolytic enzymes

Pathology, Trematoda
Mousa, W.; Waslien, C. I.; and Mansour, M. M., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 709-713
human schistosomiasis, levels of serum glycoprotein, protein-bound hexose and seromucoid before and after niridazole, relationship to renal, intestinal and hepatic damage caused by infections

Pathology, Trematoda
Muraleedharan, K.; Kumar, S. P.; and Hegde, K. S., 1976, Mysore J. Agric. Sc., v. 10 (3), 463-470
Schistosoma nasale, cattle and buffaloes, intensity and severity of infection, correlations with type of lesions, nature of nasal discharge and egg count: Dhanayakanapura (Bangalore District) and Hunchipura (Mandya District), Karnataka State

Pathology, Trematoda
Murray, M.; and Rushton, B., 1975, Symposia Brit. Soc. Parasitol., v. 13, 27-41
Fasciola hepatica, cattle, sheep, hepatic fibrosis, types, time of onset, possible mechanisms underlying genesis, factors affecting deposition (possibly immunological mechanism), importance as mechanism of host resistance

Pathology, Trematoda
Natali, P. G.; and Cioli, D., 1976, European J. Immunol., v. 6 (5), 359-364
Schistosoma mansoni-infected mice, immune complex nephritis, incidence of renal involvement correlated with duration and intensity of infection and appeared to be decreased in unisexual infections

Pathology, Trematoda
Nath, D., 1972, Indian J. Animal Sc., v. 42 (11), 952-954
Centrocestus formosanus, pathological changes in duodenal region of exper. pigeons 2-15 days post infection

Pathology, Trematoda
Nath, D., 1977, Indian J. Animal Sc., v. 45 (7), 1975, 505-507
Echinoparyphium flexum, chicks (exper.), pathology, duodenum

Pathology, Trematoda
Nath, D., 1977, Indian J. Animal Sc., v. 45 (8), 1975, 572-576
Prosthogonimus ovatus, pathology, experimental infection in common quails, grey partridges and guinea-fowls

Pathology, Trematoda
Neves, J.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 782-792
Schistosoma mansoni, human, 5 case reports with spinal cord involvement, may be anomalous response to immuno-allergic products from dead worms and/or their eggs: Brazil

Pathology, Trematoda
de Oliveira, D. N. G., 1974, Mem. Inst. Bioci., Pernambuco, v. 1 (1), 369-376
Schistosoma mansoni, mice, infection causes decrease in net esterification of cholesterol without altering distribution of cholesterol esters

Pathology, Trematoda
de Oliveira, D. N. G.; and Costa, J. C. de M., 1977, Exper. Parasitol., v. 43 (1), 244-247
Schistosoma mansoni, mice, cholersteryl ester profiles of plasma and liver, may be useful tool for evaluation of progress and prognosis of infection

Pathology, Trematoda
Osorio, M. T. F., 1975, Medico, Porto (1237), an. 26, v. 75, 230-234
schistosomiasis, clinical review of 69 cases affecting female reproductive system, symptoms, pathological findings and surgical intervention: Portugal

Pathology, Trematoda
O'Sullivan, B. M.; Rosenfeld, L. E.; and Green, P. E., 1976, Austral. Vet. J., v. 52 (5), 232-233
Platynosomum fastosum, mixed infection with Yersinia pseudotuberculosis, cat, case history, pathology: Rabaul, Papua New Guinea, imported to Australia

Pathology, Trematoda
Owen, J. S.; et al., 1977, Biochem. Soc. Tr., v. 5 (5), 1346-1348 [Abstract]
Schistosoma mansoni, mice, plasma and erythrocyte lipids, plasma phosphatidylcholine-cholesterol acyltransferase activity, differences compared to human schistosomiasis suggest mouse is not suitable as experimental model

Pathology, Trematoda
Oyediran, A.B.O.O.; et al., 1974, Egypt. J. Bilharz., v. 1 (2), 215-225
S[chistosoma] haematobium, children, renal function studies in infected children before and after therapy with niridazole, comparison with normal controls, usefulness for clinical follow-up and treatment assessment: Nigeria

Pathology, Trematoda
Page, C. R. III; and Newport, G. R., 1977, Comp. Biochem. and Physiol., v. 57 (3B), 243-247
Schistosoma mansoni-infected mice, arginase and ornithine carbamoyltransferase activity in serum and liver

Pathology, Trematoda
Pande, B. P.; and Shukla, R. P., 1974, Indian J. Animal Sc., v. 43 (8), 1973, 766-774
heterophyid flukes in hamsters (exper.), histological study of intestinal lesions; possible relevance of findings to detection of human intestinal heterophyidiasis

Pathology, Trematoda
Pelley, R. P.; Ruffier, J. J.; and Warren, K. S., 1976, Infect. and Immun., v. 13 (4), 1176-1183
Schistosoma mansoni, mice, suppressive effect of infection at various time periods on in vitro responses of spleen and lymph node cells to T cell mitogens (phytohemagglutin and concanavalin A), findings consistent with existence of suppressor T cells in chronic schistosomiasis, possible role in spontaneous modulation of immunopathology

Pathology, Trematoda
Peters, M.; Frenzel, H.; and Kade, H., 1973, Med. Klin., Berlin, v. 68 (39), 1255-1261
Clonorchis sinensis, clinical case reports, epidemiology, pathology, jonit: Germany (immigrants from oriental countries)

Pathology, Trematoda
Phillips, S. M.; et al., 1977, J. Immunol., v. 118 (2), 594-599
Schistosoma mansoni in congenitally athymic (nude) mice, thymic dependency of eosinophilia, granuloma formation, and host morbidity

Pathology, Trematoda
Poliakova-Krusteva, O., 1972, Izvest. Tsentral. Khelmint. Lab., v. 15, 167-174
Fasciola hepatica, lambs (exper.), liver pathology, electron microscopic study

Pathology, Trematoda
Poliakova-Krusteva, O., 1972, Izvest. Tsentral. Khelmint. Lab., v. 15, 175-180
Fasciola hepatica-infected mice (exper.), adenosine triphosphatase activity in liver

Pathology, Trematoda
Poliakova-Krusteva, O.; et al., 1974, Izvest. Tsentral. Khelmint. Lab., v. 17, 111-117
Dicrocoelium lanceatum, pigs (exper.), morphological and histochemical changes in liver, resistance of this host to infection noted

Pathology, Trematoda
Poliakova-Krusteva, O.; and Chandra, G., 1973, Izvest. Tsentral. Khelmint. Lab., v. 16, 133-152
Dicrocoelium lanceatum, guinea pigs, ultrastructural changes in liver

Pathology, Trematoda
Poliakova-Krusteva, O.; Chandra, G.; and Svilenov, D., 1974, Izvest. Tsentral. Khelmint. Lab., v. 17, 101-110
Dicrocoelium lanceatum, lambs (exper.), morphological changes in liver

Pathology, Trematoda
Poliakova-Krusteva, O.; and Gorchilova, L., 1972, Izvest. Tsentral. Khelmint. Lab., v. 15, 181-188
Fasciola hepatica, pigs (exper.), liver pathology, histology, enzyme histochemical changes, significant differences in comparison with other hosts

Pathology, Trematoda
Poliakova-Krusteva, O.; and Krustev, L., 1972, Izvest. Tsentral. Khelmint. Lab., v. 15, 189-198
Fasciola hepatica, rabbits (exper.), liver pathology, enzyme histochemistry

Pathology, Trematoda
Prasad, K. D.; Sahai, B. N.; and Jha, G. J., 1974, Proc. National Acad. Sc. India, Sect. B, v. 44 (4), 202-208
Cotylophoron cotylophorum, goats (exper.), clinical, pathological and histochemical changes

Pathology, Trematoda
Preston, J. M.; Dargie, J. D.; and MacLean, J. M., 1973, J. Comp. Path., v. 83 (3), 401-415
Schistosoma mattheei, sheep (exper.), clinical, haematological, biochemical, and gross pathological features

Pathology, Trematoda
Preston, J. M.; Dargie, J. D.; and MacLean, J. M., 1973, J. Comp. Path., v. 83 (3), 417-428
Schistosoma mattheei, sheep (exper.), sequential changes in plasma, circulating red cell and blood volumes following infection, serum osmolarity and sodium concentrations, water metabolism, urine composition and solute excretion, significance of findings in relation to pathogenesis

Pathology, Trematoda
Queiroz, F. P.; Brito, E.; and Martinelli, R., 1975, Nephron, v. 14 (6), 466-470
Schistosoma mansoni as cause of human glomerulopathy, histologic patterns in nephrotic syndrome as influenced by regional factors such as high endemic schistosomal area

Pathology, Trematoda
Racz, P.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (2), 149-157
Paragonimus africanus, P. uterobilateralis, experimental infections in rhesus monkeys, histopathologic findings compared with that of natural infection in Mandrillus leucophaeus, possible use as models for human infections

Pathology, Trematoda
Rahko, T., 1972, Acta Vet. Scand., v. 13 (4), 554-562
Dicrocoelium dendriticum and Fasciola hepatica in goats, comparison of the histopathology of the liver and bile ducts

Pathology, Trematoda
Rahko, T., 1972, Acta Vet. Scand., v. 13 (4), 563-574
Dicrocoelium dendriticum, Fasciola hepatica, histochemical comparison of carbohydrate-rich compounds in bile-duct walls of infected goats

Pathology, Trematoda
Rahko, T., 1972, Acta Vet. Scand., v. 13 (4), 575-584
Dicrocoelium dendriticum and Fasciola hepatica, comparison of histochemical pathology in infected goats showing increase in number of hepatic mast cells and occurrence of globule leucocytes in bile-duct walls

Pathology, Trematoda
Rajamohanan, K.; and Peter, C. T., 1975, Kerala J. Vet. Sc., v. 6 (1-2), 94-100
Schistosoma nasale, pathology in buffaloes

Pathology, Trematoda
Ramsden, R. O.; and Presidente, P. J. A., 1975, J. Wildlife Dis., v. 11 (1), 136-141
Paragonimus kellicotti, wild carnivores, gross pathology: southwestern Ontario

Pathology, Trematoda
Razzak, M. A.; and Hassaballa, N., 1976, Tropenmed. u. Parasitol., v. 27 (3), 343-348
human hepatosplenic schistosomiasis, radionuclide scanning of spleen performed using heat-treated ^{51}Cr tagged red cells, sequestration of thermally altered erythrocytes was greater in patients with enlarged spleens and in those with more marked anemia

Pathology, Trematoda
Reader, T. A. J., 1976, Ztschr. Parasitenk., v. 50 (1), 11-30
Cercaria helvetica XII-infected Bithynia tentaculata, ultrastructure of digestive gland as compared with uninfected snails; histochemistry and cytochemistry of uninfected digestive gland

Pathology, Trematoda
Reid, W. A.; and von Lichtenberg, F., 1977, J. Parasitol., v. 63 (2), 392-394
Schistosoma japonicum, miniature pigs (exper.), minimal manifestations of disease rule out this animal as a model host

Pathology, Trematoda
Rocha, H.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 108-115
hepatosplenic Schistosoma mansoni, humans, renal involvement, clinical features, histopathology

Pathology, Trematoda
Rubaj, B.; and Furmaga, S., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 77-82
fluke, sheep (liver), pathomorphological and histochemical studies

Pathology, Trematoda
Rushton, B., 1977, Research Vet. Sc., v. 22 (1), 133-134
Fasciola hepatica, sheep, primary infection compared with reinfection, rafoxanide treatment, pathology, faster migration through liver in reinfection, temporary growth retardation, no reduction in numbers, large granulomata formed by anthelmintic-killed flukes

Pathology, Trematoda
Rushton, B.; and Murray, M., 1977, J. Comp. Path., v. 87 (3), 459-470
Fasciola hepatica, sheep (exper.), hepatic pathology

Pathology, Trematoda
Sadigursky, M.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 322-323
Schistosoma haematobium, S. mansoni, autopsy study of kidneys, glomerulonephritis, mesangial thickening and proliferation, and acute and chronic pyelonephritis were all unrelated to presence of schistosome infection

Pathology, Trematoda
Sadigursky, M.; and Andrade, Z. A., 1976, Brit. Med. J. (6043), v. 2, 1073
controlled studies needed to clarify the relationship between schistosomiasis and renal amyloidosis

Pathology, Trematoda
Sadun, E. H.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 619-631
Schistosoma japonicum, chimpanzees (exper.), portacaval shunt to dissociate pipe-stem fibrosis and glomerulopathy, results suggest nephropathy more closely related to infection intensity than degree of liver damage; comparisons with untreated controls and SQ 18,506-treated animal

Pathology, Trematoda
Sahay, M. N.; and Sahai, B. N., 1976, Indian J. Animal Health, v. 15 (2), 93-95
Schistosoma nasale in mice, guinea-pigs, rabbits, kids, and lambs (all exper.), histopathology of liver, lungs, heart, pancreas, and intestine

Pathology, Trematoda
Salih, S. Y.; et al., 1977, J. Trop. Med. and Hyg., v. 80 (1), 14-18
Schistosoma mansoni hepatosplenic infections in humans complicated by Salmonella typhi infections, treatment of Salmonella led to improvement of schistosomal pathologic changes: Sudan

Pathology, Trematoda
San Antonio Alvarez, J., 1972, Med. Trop., Madrid, v. 48 (3-4), 154-181
life cycle and extensive clinical review of human urinary tract Schistosoma haematobium, diagnosis, pathology, case reviews, medical management: Republic of Zaire

Pathology, Trematoda
Saoud, M. F. A.; et al., 1976, J. Helminth., v. 50 (3), 173-174
Schistosoma rodhaini, golden hamsters, pancreatic histopathology, may be useful experimental model for resolving controversial issue of etiological relationship between schistosomiasis and diabetes

Pathology, Trematoda
Sapunar, J.; and Donckaster, R., 1966, Bol. Chileno Parasitol., v. 21 (1), 21
Fasciola hepatica in humans, hepatic pathology as visualized by peritoneoscopy

Pathology, Trematoda
Sato, T.; Hoshina, T.; and Horiuchi, M., 1976, Bull. Japan. Soc. Scient. Fish., v. 42 (2), 249
Diplostomum sp., rainbow trout, cataract: Shizuoka prefecture, Japan

Pathology, Trematoda
Schmid, H., 1972, Pathol. et Microbiol., v. 38 (5), 362-374
Schistosoma haematobium, human bilharzial appendicitis, qualitative and quantitative histopathologic survey: Tanzania

Pathology, Trematoda
Schuster, J.; et al., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 487-499
Schistosoma mansoni-infected Mastomys natalensis under treatment with hycanthone, pathophysiological and toxicological aspects of infection, serum enzyme activity, hepatotoxic effect of drug at higher dosages

Pathology, Trematoda
Sharma, D. N.; and Dwivedi, J. N., 1976, J. Comp. Path., v. 86 (3), 449-454
Schistosoma indicum, sheep, goats, ova formation of pseudotubercles in host lungs, pathology: Mathura, Aligarh and Agra abattoirs, Uttar Pradesh, India

Pathology, Trematoda
Sher, A.; McIntyre, S.; and von Lichtenberg, F., 1977, Exper. Parasitol., v. 41 (2), 415-422
Schistosoma mansoni, mice, kinetics and class specificity of hypergammaglobulinemia induced during infection, most of elevated immunoglobulins have no demonstrable specificity for parasite antigens

Pathology, Trematoda
Shimada, Y.; et al., 1976, Nippon Zyuisi-Kai Zassi (J. Japan Vet. Med. Ass.), v. 29 (6), 319-324
Fasciola hepatica, calves (exper.), hematological and liver function tests (bromsulphalein test)

Pathology, Trematoda
Shirai, W.; et al., 1976, Japan. J. Vet. Sc., v. 38 (2), 135-141
Fasciola hepatica, cattle (liver), differentiation of brilliant cells (derived from smooth muscle cells) from tissue mast cells in areas of adenomatous epithelial proliferation of bile ducts

Pathology, Trematoda
Sinclair, K. B., 1975, Research Vet. Sc., v. 19 (3), 296-303
Fasciola hepatica, sheep exposed to preliminary and challenge infections, pathophysiology (circulating eosinophils, plasma proteins, and glutamate dehydrogenase, voluntary dry matter intake, plasma loss in feces), no evidence of acquired resistance to physiological effects of infection

Pathology, Trematoda
Siongok, T. K. A.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 273-284
Schistosoma mansoni, cross-sectional study of entire community in endemic area, prevalence and intensity of infection (as determined by quantitative egg counts) correlated with morbidity (as determined by standard medical examination): village of lower Nduu, Machakos, Kenya

Pathology, Trematoda
Smith, J. H.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 85-88
Schistosoma haematobium in humans, pathology of schistosomal polyposis of urinary bladder, relationship of histologic patterns to disease progression, significance of egg burdens

Pathology, Trematoda
Smith, J. H.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 96-108
Schistosoma haematobium in humans, schistosomal obstructive uropathy, clinical, laboratory, epidemiologic and pathologic analysis

Pathology, Trematoda
Smith, J. H.; Kelada, A. S.; and Khalil, A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 89-95
Schistosoma haematobium in humans, pathology of schistosomal ulceration of urinary bladder, possible economic importance of treatment and lost man-power time: Egypt

Pathology, Trematoda
Smith, J. H.; and von Lichtenberg, F., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 595-601
study of degradation of calcific Schistosoma haematobium eggs in mouse tissue, typical granulomatous formation during decalcification, apparent immunologic inertness of egg possibly linked to local tissue calcium balance

Pathology, Trematoda
Smith, J. H.; Said, M. N.; and Kelada, A. S., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 80-84
Schistosoma haematobium, S. mansoni, human schistosomal colonic and rectal polyposis, anatomic pathology and digestive studies, high localized parasite egg burdens apparent cause of damage, parasite oviposition in relation to pathogenesis

Pathology, Trematoda
Smith, M. D.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 343-348
Schistosoma haematobium, S. mansoni, presence of immune complexes (IC) in sera of infected persons, measurement of levels of IC possibly useful in assessing stage of disease and efficacy of treatment

Pathology, Trematoda
Soliman, L. A. M.; et al., 1974, Tropenmed. u. Parasitol., v. 25 (3), 327-333
Schistosoma haematobium, monkeys and baboons, lesions in bladder muscle

Pathology, Trematoda
Soothill, J. F.; Smith, M. D.; and Morgan, A. G., 1975, Symposia Brit. Soc. Parasitol., v. 13, 59-68
association of parasites with nephrotic syndrome, genetically and environmentally determined host variation may be the immunodeficiency underlying proneness to chronic soluble complex disease, extensive review with emphasis on Schistosoma spp., Plasmodium malariae, and some preliminary experiments with Trypanosoma brucei in mice

Pathology, Trematoda
Sornmani, S.; Vivatanasesth, P.; and Thirachantra, S., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 270-281
human Mekong schistosomiasis, clinical aspects, pathologic findings, age and sex factors: Khong Island, Southern Laos

Pathology, Trematoda
Sponenberg, P., 1976, Southwest. Vet., v. 29 (2), 159-161
Heterobilharzia americana, pathology, case report, dog (intestinal submucosa, lungs): Brazos County, Texas

Pathology, Trematoda
Stadnichenko, A. P., 1977, Gidrobiol. Zhurnal, v. 13 (1), 117-124
trematode larval stages, pathogenic effect on freshwater molluscs

Pathology, Trematoda
Sukkar, M. Y.; Omer, A. H. S.; and Ahmed, N. El D., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 327-332
Schistosoma mansoni in humans with hepatic enlargement, impaired glucose tolerance and abnormal growth hormone secretion, possible relationships

Pathology, Trematoda
Sweeting, R. A.; and Powell, A., 1977, Parasitology, v. 75 (2), xxxviii [Abstract]
Tylodelphys podicipina as a possibly important factor in perch mortality, fluke burden decreases with increased age of host (as opposed to T. clavata and Diplostomum spathaceum which increase with host age) probably because of selective mortality operating against infected hosts: England

Pathology, Trematoda
Tallmark, B.; and Norrgren, G., 1976, Zoon, v. 4 (2), 149-154
Microphallidae, Lepocreadiidae, and Echinostomatidae in Nassarius reticulatus (digestive gland, gonad), pathology, increased infection with host size, ecological changes: Kvarnbukten Bay, Gullmar Fjord (Sweden)

Pathology, Trematoda
Taylor, D.; and Perri, S. F., 1977, Am. J. Vet. Research, v. 38 (1), 51-54
Platynosomum concinnum, cats (exper.), clinical signs, hematology, biochemistry, pathology

Pathology, Trematoda
Taylor, M. G.; et al., 1977, J. Helminthol., v. 51 (4), 337-345
Schistosoma mattheei, modification of pathogenicity for sheep by passage in hamsters

Pathology, Trematoda
Tenora, F.; Kotrla, B.; and Blazek, K., 1974, Acta Vet. Brno, v. 43 (2), 111-116
Gigantocotyle siamense, Bubalus arnee f. bubalis (bile ducts), description of parasite, discussion of pathological changes in buffalo liver: abbatoir, Jalalabad (Afghanistan)

Pathology, Trematoda
Timperman, J.; and Peremans, J., 1968, Med. Sc. and Law, v. 8 (3), 207-208
evidence of multiple granuloma-like lesions in lung and liver found at autopsy in pilot who had crashed inexplicably, apparently silent infection caused by Schistosoma mansoni, significance of disease findings to physical requirements of profession: Belgium

Pathology, Trematoda
Tsang, V. C. W.; and Damian, R. T., 1977, Blood, v. 49 (4), 619-633
Schistosoma mansoni, schistosomal anticoagulant activity against host intrinsic blood coagulation pathway, experiments with human and mouse plasma

Pathology, Trematoda
Tsang, V. C. W.; Hubbard, W. J.; and Damian, R. T., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 243-247
Schistosoma mansoni, presence of schistosomal inhibitor for the intrinsic blood coagulation pathway of host which is capable of specifically blocking the enzymatic activation of pre-plasma thromboplastin antecedent by activated Hageman factor

Pathology, Trematoda
Valente, C. A.; and de Lima Filho, O. A., 1974, Maternidade e Infancia, v. 33 (3), 377-388
Schistosoma mansoni, human, liomyoma of uterine cervix associated with schistosomal ova and granuloma, case report: Brasil

Pathology, Trematoda
Viranuvatti, V.; and Stitnimankarn, T., 1972, Progr. Liver Diseases, v. 4, 537-547
liver fluke infections and infestations, review of epidemiology, pathology, clinical manifestations, treatment and control of human infections in Southeast Asia

Pathology, Trematoda
Volkmer, K. J., 1977, Tropenmed. u. Parasitol., v. 28 (2), 145-148
Paragonimus africanus and P. uterobilateralis in Macaca mulatta (exper.), radiographic patterns of lung pathology, similarities with autopsy and radiographic findings in infected humans from endemic areas

Pathology, Trematoda
Vsevolodov, B. P.; and Gvozdev, E. V., 1976, Izvest. Akad. Nauk Kazakhsk. SSR, s. Biol. (2), 6-9
Hasstilesia ochotonae, pathological-anatomical changes in the intestine of Ochotona rutila: Zailiiskii Alatau

Pathology, Trematoda
Warren, K. S., 1976, J. Invest. Dermat., v. 67 (3), 464-469
schistosomiasis, multiplicity of immunopathology, review

Pathology, Trematoda
Warren, K. S., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 113-119
schistosomiasis, immunopathogenesis, modulation of granulomatous inflammation and amelioration of disease, mechanisms, workshop report

Pathology, Trematoda
Warren, K. S.; et al., 1974, J. Immunol., v. 112 (3), 996-1007
Schistosoma mansoni, mice, cholera toxin profoundly suppressed cell-mediated immunologic reactivity (dermal footpad swelling to soluble egg antigens, granuloma formation around eggs, production of macrophage migration inhibition factor) and ameliorated portal hypertension and esophageal varices in hepatosplenic schistosomiasis

Pathology, Trematoda
Warren, K. S.; Pelley, R. P.; and Mahmoud, A. A. F., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 957-962
Schistosoma mansoni, mice, effects of curative treatment on resistance to reinfection and on granulomatous hypersensitivity following reinfection, results suggest that both immunity and modulation of immunopathology are residual after curative treatment

Pathology, Trematoda
Webbe, G.; James, C.; and Nelson, G. S., 1974, Ann. Trop. Med. and Parasitol., v. 68 (2), 187-203
Schistosoma haematobium in Papio anubis as a laboratory model, 3 parasite strains compared, parasitological, clinical and pathological features, histological changes in male and female genital organs particularly striking

Pathology, Trematoda
Wells, R. F., 1971, Mil. Med., v. 136 (3), 288-291
Schistosoma japonicum, small strain variant with questionable pathogenicity for humans, case report in woman with minimal symptoms but significant serologic response, evidence of extensive rectal and hepatic involvement: Texas (had been employed in Laos)

Pathology, Trematoda
Wettimuny, S. G. de S.; and Aturaliya, D. S., 1975, Ceylon Vet. J., v. 23 (3-4), 54-57
Schistosoma, paramphistomiasis, Echinococcus, cattle, abattoir study of liver pathological findings: Kandy, Sri Lanka

Pathology, Trematoda
Wilkins, H. A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 179-186
Schistosoma haematobium endemic area survey, findings suggest that simultaneous occurrence of bacteriuria but not hypertension may sometimes determine outcome of S. haematobium infections in humans: Gambia

Pathology, Trematoda
Wilkins, H. A.; and El-Sawy, M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 486-489
Schistosoma haematobium, urinary egg counts in citizens of Nile delta community as possible assessment of pathologic damage from infections and comparisons of findings with comparable surveys in sub-Saharan Africa; results in persons who had previously received tartar emetic therapy demonstrate need for reevaluation of therapeutic methods

Pathology, Trematoda
Wong Soon Kai; and Lie, K. J., 1965, Med. J. Malaya, v. 19 (3), 229-230
trematode eggs removed from exudate and wall of excised periauricular abscess of child probably ova of Poikilorchis sp.: Sarawak

Pathology, Trematoda
Wood, I. J.; Stephens, W. B.; and Porter, D. D., 1975, Med. J. Australia, v. 2 (22), 829-831
Fasciola hepatica liver infections in husband and wife who had eaten watercress contaminated by cattle, problems in diagnosis solved only by pathology discovered in diagnostic surgery, good responses to emetine and chloroquine therapy: Victoria, Australia

Pathology, Trematoda
Woodruff, A. W., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 313-328
mechanisms involved in anemia associated with infection (schistosomiasis, kala-azar, malaria, trypanosomiasis) and splenomegaly in tropics, complement activation leading to hemolysis and splenomegaly due to erythrophagocytosis, review

Pathology, Trematoda
Yoshino, T. P., 1976, J. Invert. Path., v. 28 (3), 309-313
Renicola buchanani-infected Cerithidea californica, histopathology, fine structural changes in intestine: Goleta Slough, Santa Barbara County, California

Pathophysiology. See Pathology; Physiology, Host.

Penetration. [See also Invasion mechanisms]

Penetration
Abrahams, A. A.; and Meuleman, E. A., 1977, Trop. and Geogr. Med., v. 29 (2), 207 [Abstract]
Schistosoma mansoni, effect of Biomphalaria pfeifferi vector snail size on miracidial penetration and development

Penetration
Aikawa, M.; et al., 1977, Am. J. Path. (420), v. 87 (2), 285-296
Toxoplasma gondii tachyzoites, ultrastructural study of penetration of host cell by parasite

Penetration
Alexander, J., 1975, J. Protozool., v. 22 (2), 237-240
differential effect of antiphagocytic agent cytochalasin B on macrophage invasion by Leishmania mexicana promastigotes vs. Trypanosoma cruzi epimastigotes suggests that L. mexicana enters macrophages by being phagocytosed whereas T. cruzi can actively penetrate these cells

Penetration
Asch, H. L.; and Dresden, M. H., 1977, Comp. Biochem. and Physiol., v. 58 (1B), 89-95
Schistosoma mansoni, fractionation of normal human sera and plasma in order to identify inhibitors of the 'penetration' proteases

Penetration
Asch, H. L.; and Dresden, M. H., 1977, J. Parasitol., v. 63 (1), 80-86
Schistosoma mansoni, effects of zinc on viability and morphology of cercariae and schistosomules, on cercarial staining in indirect immunofluorescence test, and on cercarial penetration of skin, findings suggest possible relationships of zinc to host resistance to and control of schistosomiasis

Penetration
Askenase, P. W.; Hayden, B.; and Higashi, G. I., 1976, Clin. and Exper. Immunol., v. 23 (2), 318-327
Schistosoma mansoni, guinea-pigs, cutaneous basophil hypersensitivity (CBH) reactions to schistosome eggs or soluble egg antigens (SEA), contact hypersensitivity-like CBH responses to live cercarial challenge by skin penetration in sensitized animals, SEA-induced macrophage migration inhibition in infected guinea pigs manifesting CBH reactions

Penetration
Babu, J. P.; and Hall, J. E., 1975, J. Parasitol., v. 61 (5), 877-881
three virgulate xiphidiocercariae, hydrolytic enzymes and cercarial secretions, histochemistry, localization, role in penetration of arthropod (Litobrancha recurvata) cuticle: Cheat River System, West Virginia

Penetration
Bain, O.; and Chabaud, A. G., 1975, Compt. Rend. Acad. Sc., Paris, v. 281, s. D, Sc. Nat. (16), 1199-1202
Dipetalonema dessetae, relation of number of microfilariae ingested by Aedes aegypti to number penetrating stomach wall, 'limitation' phenomenon, apparently specific lysis of stomach cells

Penetration
Barbotin, M.; Oudart, J. L.; and Marty, M., 1972, Nouv. Presse Med., v. 1 (36), 2392-2394
frequency of occurrence of Australia antigen in hospitalized Africans, correlations with frequency of intestinal helminthiasis where skin was the portal of entry

Penetration
Bartoli, P., 1973, Bull. Mus. Nat. Hist. Nat., Paris, 3.s. (117), Zool. (91), 319-334
Gymnophallus fossarum in Cardium glaucum, penetration of cercariae and migration, microbiotopes occupied by metacercariae, variation in numbers of metacercariae in the 2 microbiotopes in relation to host size, relation between microbiotope occupied by metacercariae and certain anomalies of host test

Penetration
Bosworth, W.; and Chernin, E., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 762-764
Brugia pahangi, oral transmission of third stage larvae to dogs (exper.) with penetration of mucosa in or near mouth, adult worms recovered from mandibular, retropharyngeal and axillary lymphatics, head, skin, shoulder-neck area

Penetration
Cable, R. M., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 1-18
digenetic trematodes, behaviour, review (reproduction, hatching, penetration, response to taxic and host stimulation; cercarial emergence, swimming)

Penetration
Campbell, D. L.; et al., 1976, Exper. Parasitol., v. 40 (1), 33-40
Schistosoma mansoni, proteolytic enzymes secreted from preacetabular glands of cercariae, partial characterization

Penetration
Chapman, W. E.; and Ward, P. A., 1977, Science (4285), v. 196, 67-70
Babesia rodhaini, ability to penetrate human erythrocytes depends on factors of the alternative complement pathway (properdin and factor B) as well as ionic magnesium and the third (C3) and fifth (C5) components of complement

Penetration
Chernin, E.; and Antolics, V. M., 1975, J. Parasitol., v. 61 (3), 560-561
Schistosoma mansoni, proportion of miracidia that fail to penetrate susceptible snails under various experimental conditions, implications for transmission

Penetration
Clark, T. B.; and Brandl, D. G., 1976, J. Invert. Path., v. 28 (3), 341-349
Tetrahymenina infection of Aedes sierrensis larvae (nat. and exper.), melanized spots on cuticle were sites of invasion or attempted invasion, invasion sites were capped by hemispherical membranes or cysts vacated by invading ciliates, factors such as host activity, host age, and cuticle thickness limited successful infection: near Kings River, Fresno County, California

Penetration
Croll, N. A., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 31-52
larval nematodes, behavior, review (nematode senses, locomotion, movement patterns as tracked on agar, mechanisms of orientation)

Penetration
Dresden, M. H.; and Edlin, E. M., 1975, J. Parasitol., v. 61 (3), 398-402
Schistosoma mansoni, cercariae, localization and quantitation of calcium in preacetabular glands, in vitro inhibition of protease activity by high levels of calcium, possible function in controlling protease activity in situ

Penetration
Dresden, M. H.; Lewis, J. C.; and Krisko, I., 1977, J. Parasitol., v. 63 (5), 941-943
Schistosoma mansoni, proteolytic action of cercarial proteases against human skin and wool keratins and against non-collagenous protein components of bovine basement membrane proteins

Penetration
Dvorak, J. A.; and Howe, C. L., 1977, J. Protozool., v. 24 (3), 416-419
Toxoplasma gondii in controlled-environment culture system, effect of various factors on penetration of host cells by parasites (bicarbonate ion, CO_2, pH, and host cell culture age)

Penetration
Ellis, D. S.; and Evans, D. A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 20 [Demonstration]
Trypanosoma brucei rhodesiense, electron micrograph demonstration of passage of parasite through the anterior mid-gut of Glossina morsitans morsitans vectors

Penetration
Ellis, D. S.; and Evans, D. A., 1977, Nature (5614), v. 267, 834-835
Trypanosoma brucei rhodesiense, passage through peritrophic membrane of Glossina morsitans morsitans

Penetration
Ellis, D. S.; and Evans, D. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 380 [Demonstration]
Trypanosoma brucei rhodesiense, electron micrographs of passage of Trypanosoma through the peritrophic membrane of Glossina morsitans in central region of midgut

Penetration
Ghandour, A. M., 1976, J. Helminth., v. 50 (3), 193-196
Schistosoma mansoni, S. haematobium, cercariae, infectivity in relation to maintenance temperatures, low or high temperatures markedly increased mortality during penetration of host skin, comparison of death of cercariae in skin with adult worm recovery, mice, hamsters

Penetration
Ghandour, A. M.; and Webbe, G., 1975, J. Helminth., v. 49 (3), 153-159
inimical effects of ultra-violet radiation on cercariae of Schistosoma mansoni and S. haematobium, increased mortality during penetration of host mouse skin, inhibited migration of schistosomula in lungs, no recovery of adult worms, possible practical significance

Penetration
Ghandour, A. M.; and Webbe, G., 1975, J. Helminth., v. 49 (3), 161-165
Schistosoma mansoni, fate of gamma-irradiated cercariae during migration as schistosomula in mice: penetration proceeded normally, migration and maturation inhibited, first site of damage in lungs but majority destroyed in liver

Penetration
Ghandour, A. M.; and Webbe, G., 1975, J. Helminth., v. 49 (4), 245-250
Schistosoma mansoni cercariae, sublethal concentrations of niclosamide increased mortality during penetration of mammalian host skin and consequently reduced adult worm recovery

Penetration
Ghandour, A. M.; and Webbe, G., 1976, J. Helminth., v. 50 (1), 39-43
comparison of death of cercariae of Schistosoma haematobium and S. mansoni during penetration of mouse or hamster skin, correlation with adult worm recoveries

Penetration
Gingrich, R. E.; and Barrett, C. C., 1975, J. Med. Entom., v. 12 (1), 13-15
Hypoderma lineatum larvae, vitamin A deficiency in calves reduced host resistance to percutaneous invasion but had no effect on larvae injected subcutaneously

Penetration
Grabda-Kazubska, B., 1969, Acta Parasitol. Polon., v. 16 (20-27), 1968-1969, 249-269
Opisthioglyphe ranae, O. rastellus, life cycle, cercarial behavior, penetration, development; abbreviation of life cycles

Penetration
Haas, W., 1976, Ztschr. Parasitenk., v. 49 (1), 63-72
Schistosoma mansoni cercariae, attachment response, stimulated by temperature rise, reactions to animal substance in substrate (human, swine, fish, frog, snail, cercariae)

Penetration
Haas, W., 1976, Ztschr. Parasitenk., v. 50 (2), 216-217
Schistosoma mansoni cercaria, host identification, fatty acids in substrates stimulating penetration following fixation, possibility of control by blocking chemoreceptors

Penetration
Hanna, R. E. B.; Baalawy, S. S.; and Jura, W., 1975, Research Vet. Sc., v. 19 (1), 96-97
Fasciola gigantica, development of in vitro techniques to study the invasive process, conditions necessary for excystment and penetration of mouse gut, maintenance of larvae on spleen cell monolayers

Penetration
Hsieh, H. C.; and Chen, E. R., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 567-568 [Demonstration]
Anisakis larvae, penetration into stomach wall of experimentally infected Macaca cyclopis within 6 hours of infection per os

Penetration
Jensen, J. B.; and Edgar, S. A., 1976, J. Parasitol., v. 62 (2), 203-206
Eimeria magna sporozoites, penetration into cultured cells, effects of antiphagocytic agents and microtubule inhibitors, results suggest that phagocytosis is not mechanism of entry but that sporozoite motility is of primary importance

Penetration
Jensen, J. B.; and Edgar, S. A., 1976, J. Parasitol., v. 62 (6), 988-992
Eimeria magna, evidence of secretory function of rhoptries during penetration of cultured cells

Penetration
Jensen, J. B.; and Hammond, D. M., 1975, J. Protozool., v. 22 (3), 411-415
Eimeria magna, penetration into cultured cells, ultrastructure of invasion process

Penetration
Khalifa, K. A.; and Post, G., 1976, Progr. Fish Cult., v. 38 (2), 110-113
Lernaea cyprinacea-infected Pimephales promelas, Notemigonus crysoleucas, Lepomis cyanellus, and Catostomus commersoni (all exper.), histopathology at various sites of penetration

Penetration
Kilejian, A., 1976, J. Protozool., v. 23 (2), 272-277
Plasmodium lophurae, histidine-rich protein, possible role in merozoite penetration

Penetration
Knowles, E. E. III; and Hall, J. E., 1976, J. Invert. Path., v. 27 (3), 351-362
penetration and development of Allopodocotyle lepomis in mayfly naiads, histopathology, immune response

Penetration
Køie, M.; and Frandsen, F., 1976, Ztschr. Parasitenk., v. 50 (3), 335-344
Schistosoma mansoni, miracidium and early sporocysts, scanning electron microscopy

Penetration
Køie, M.; Ørnbjerg Christensen, N.; and Nansen, P., 1976, Ztschr. Parasitenk., v. 51 (1), 79-90
Fasciola hepatica eggs, free-swimming and penetrating miracidia, early sporocysts, penetration process, scanning electron microscopy

Penetration
Lester, R. J. G.; and Freeman, R. S., 1975, J. Parasitol., v. 61 (5), 970-972
testing for ability of cercariae to penetrate eyes of laboratory animals

Penetration
Long, P. L.; and Speer, C. A., 1977, Symposia Brit. Soc. Parasitol., v. 15, 1-26
coccidia, invasion of host cells, symposium presentation: general considerations; excystation; invasion of cells by Eimeria in vivo; host reactions to invasion by Eimeria; invasion of cells by Eimeria sporozoites in vitro; factors affecting invasion of cells by sporozoites; invasion of cultured cells by merozoites; invasion of cells by Toxoplasma

Penetration
McLaren, D. J.; and Hockley, D. J., 1976, Parasitology, v. 73 (2), 169-187
Schistosoma mansoni, development of microvilli on tegument surface during cercaria/schistosomulum transformation

Penetration
Matthews, B. E., 1977, Symposia Brit. Soc. Parasitol., v. 15, 93-119
larval helminths, passage through tissue barriers, symposium presentation: invasion of invertebrate hosts (cestodes and Acanthocephala, nematodes, trematodes); invasion of vertebrate hosts (skin penetration by cercariae, invasion by nematode larvae, migration within and emergence from hosts)

Penetration
Melton, M. L.; and Sheffield, H. G., 1975, J. Parasitol., v. 61 (4), 713-717
Toxoplasma gondii, degree of inhibition of penetration and multiplication in cultured cells by lasalocid, monensin, ormetoprim, sulfadimethoxine, and a combination of the latter two

Penetration
Merino, F.; et al., 1977, Internat. Arch. Allergy and Applied Immunol., v. 55 (1-6), 487-495
Leishmania brasiliensis, in vitro infection of murine macrophages, mechanism of penetration, endocytosis with active participation of both cells

Penetration
Metge, P.; et al., 1974, Medecine Trop., v. 34 (5), 625-632
human ocular onchocerciasis, localization in paracentral temporal area characteristic of chorioretinal involvement and probable point of microfilarial penetration, diagnosis by angiofluorography

Penetration
Moorhouse, D. E., 1975, Ztschr. Parasitenk., v. 48 (1), 65-71
Argas persicus, larvae, feeding on chickens, histological studies, penetration by lysis, foreign body reaction, whole blood as diet throughout feeding, emigration of heterophils to surround mouthparts and mask them against foreign body reaction, example of adaptation tolerance; immunological response to salivary secretions not suppressed

Penetration
Moreira, C.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 308 [Letter]
Schistosoma mansoni schistosomula, unsuccessful attempts to infect hamsters through cheek pouch and skin, concluded that schistosomula are unable to infect animals following percutaneous exposure

Penetration
Morzaria, S. P.; Bland, P.; and Brocklesby, D. W., 1977, Parasitology, v. 75 (1), 125-130
Babesia major, ultrastructure of penetrating stages of merozoites responsible for causing trans-ovarian infection of Haemaphysalis punctata

Penetration
Nogueira, N.; and Cohn, Z., 1976, J. Exper. Med., v. 143 (6), 1402-1420
light and electron microscopic study of mechanism of entry and intracellular fate of epimastigotes and trypomastigotes of Trypanosoma cruzi in mammalian cells with comparison studies of other cell types, demonstration of phagocytic process

Penetration
Nwosu, A. B. C., 1977, Bull. Animal Health and Prod. Africa, v. 25 (1), 73-78
Ancylostoma tubaeformae third-stage larvae, changes in lipid content, activity rate, and penetrability with time and at various temperatures, evaluation of infectivity using these parameters

Penetration
Ørnbjerg Christensen, N.; Nansen, P.; and Frandsen, F., 1976, Ztschr. Parasitenk., v. 50 (1), 67-71
Fasciola hepatica, attachment and penetration of miracidia into Lymnaea truncatula and host resistance as measured by radioselenium labelling of miracidia; penetration not limited by already existing infection

Penetration
Phillips, R. S.; Rahman, A. K.; and Wilson, R. J. M., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 432 [Demonstration]
Plasmodium falciparum, in vitro penetration of human red cells

Penetration
Pinto, A. V.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 133-135
Schistosoma mansoni, skin penetration by cercariae blocked by 1,4- and 1,2-naphthoquinones applied topically to tails of mice (exper.)

Penetration
Raisanen, S.; and Koivukangas, J., 1976, Norwegian J. Zool., v. 24 (4), 458-459 [Abstract]
Toxoplasma gondii, infectivity of trophozoites in body secretion examined by penetration through intact mucous membranes of mice, greater contamination hazard than previously known, easiest route of infection is intranasal

Penetration
Siebert, A. E.; and West, J. A., 1974, Protoplasma, v. 81 (1), 17-35
Haplozoon axiothellae, fine structure morphology, attachment cell, penetration stylet, reproduction, characteristics of theca

Penetration
Silverstein, S. C., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 161-169
endocytic uptake of particles by mononuclear phagocytes in relation to penetration of obligate intracellular parasites, workshop report

Penetration
Smith, J. M., 1976, Internat. J. Parasitol., v. 6 (1), 9-13
Ancylostoma tubaeforme and Necator americanus third stage larvae, ultrastructure of oesophageal glands compared before and after penetration through rabbit skin

Penetration
Soltys, M. A.; Thompson, S. M. R.; and Woo, P. T. K., 1973, Ann. Trop. Med. and Parasitol., v. 67 (4), 399-402
Trypanosoma brucei, rats, guinea pigs, exper. transmission through skin and intact mucous membranes of conjunctiva, mouth, rectum, vagina; T. congolense, exper. transmission through same routes all failed

Penetration
Stadtsbaeder, S.; Nguyen, B. T.; and Calvin-Preval, M. C., 1975, Ann. Immunol., v. 126C (4), 461-474
Toxoplasma gondii, mice, immunization with living parasites concomitant to cotrimoxazol treatment, phagocytosis/penetration and intracellular multiplication of Toxoplasma in normal or immune macrophages in the absence or presence of specific antibodies

Penetration
Svarc, R., 1977, Biologia, Bratislava, s. B, Zool. (3), v. 32 (8), 575-584
Cystocaulus ocreatus, penetration of first stage larvae into snails, localization, morphological changes during maturation, moulting

Penetration
Svarc, R.; and Zmoray, I., 1974, Biologia, Bratislava, s. B, Zool. (1), v. 29 (2), 121-127
Muellerius tenuispiculatus larvae, penetration into and development in soles of feet of Cepaea vindobonensis and Succinea putris, localization near sole glands, acid mucopolysaccharides and phospholipids in this site probably have role in larval nutrition

Penetration
Takeuchi, A.; and Phillips, B. P., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 34-48
mode of penetration of intestinal epithelium of germ-free guinea pigs by Entamoeba histolytica trophozoites, light and electron microscopic study

Penetration
Tanowitz, H.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 25-33
Trypanosoma cruzi, ultrastructural study of entry of epimastigotes and trypomastigotes into L-cells and normal and activated macrophages in vitro

Penetration
Zaman, V.; and Colley, F. C., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 408 [Demonstration]
Toxoplasma gondii, ultrastructural study of penetration of the host cell by parasite

Peptides. See Proteins.

Pericardium. See Heart.

Periodicity
Aikat, T. K.; and Das, M., 1977, Indian J. Med. Research, v. 65 (1), 58-64
Wuchereria bancrofti, modified statistical method for analysis of periodicity of microfilaria using harmonic wave equation

Periodicity
Anderson, R. I.; Fazen, L. E.; and Buck, A. A., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 62-65
daytime periodicity of Onchocerca volvulus established in Guatemala with maximal density of microfilariae in skin coinciding with most active feeding time of principal Simulium vector in area

Periodicity
Anderson, R. M., 1976, Parasitology, v. 72 (3), 281-305
Caryophyllaeus laticeps, seasonal periodicity in population dynamics, theoretical derivation of mathematical model, comparison of model predictions with observed population data, seasonality shown to be caused by combined effects of temperature-dependent parasite mortality rate and fluctuations in host feeding activity (which controls immigration rate of larval parasites)

Periodicity
Ansari, J. A., 1977, Indian J. Animal Sc., v. 47 (3), 115-119
Setaria cervi, Bubalus bubalis, incidence and seasonal variation of adult worms and microfilariae, periodic concentration of microfilariae: Aligarh district, Uttar Pradesh

Periodicity
Badie, A., 1975, Ann. Recherches Vet., v. 6 (3), 259-264
Dicrocoelium lanceolatum metacercaria, annual activity cycle of parasitized ants, numbers hooked to vegetation at certain parts of the day, possible relationships to temperature and rainfall, risk of parasitism in sheep flocks, possible basis for control

Periodicity
Baird, C. R., 1975, Canad. J. Zool., v. 53 (12), 1788-1798
Cuterebra tenebrosa, laboratory rearing in Neotoma cinerea, egg and larval development: effect of larval photoperiod on incidence of pupal diapause (egg photoperiod had no effect), duration of larval development with evidence as to photoperiod-sensitive stage, sequence of gross morphological changes from puparium formation to eclosion, unsuccessful attempts to terminate pupal diapause via temperature or photoperiod manipulations

Periodicity
Bhat, H. R.; Geevarghese, G.; and Sreenivasan, M. A., 1976, Indian J. Animal Sc., v. 44 (6), 1974, 370-375
Haemaphysalis cornigera shimoga, life cycle, tendency towards 2-host tick, dropping of engorged stages coincided with diurnal activity of host

Periodicity
Blankespoor, H. D., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 44-50
Plagiorchis noblei, life cycle studies: egg (infectivity); cercaria (diel periodicity of emergence; seasonal periodicity; temperature effect on longevity and infectivity); metacercaria (infectivity); adults (location in definitive host; longevity; seasonal periodicity)

Periodicity
Bliznakov, E. G.; and Tao, S.-J., 1976, J. Interdisciplinary Cycle Research, v. 7 (3), pp. 215-222
Plasmodium berghei, mice, significant periodic fluctuations in mortality confirmed by application of statistical periodic analysis, 5-year study

Periodicity
Bone, L. W.; et al., 1977, Exper. Parasitol., v. 42 (1), 82-86
Nippostrongylus brasiliensis, pheromone production and response, effect of parasite age, time of day periodicity not demonstrated

Periodicity
Box, E. D., 1977, J. Protozool., v. 24 (1), 57-67
Isospora serini and I. canaria, life cycles in Serinus canarius, endogenous stages, periodicity of oocyst discharge, patency and pathogenicity

Periodicity
Bray, R. S.; McCrae, A. W. R.; and Smalley, M. E., 1976, Internat. J. Parasitol., v. 6 (5), 399-401
Anopheles gambiae fed on Plasmodium falciparum-infected Gambians once during day or once or twice during night, no overall difference in oocyst numbers in batches of mosquitoes fed during night as compared to daytime, apparent lack of circadian rhythm in infectivity of gametocytes

Periodicity
Brinkmann, U. K., 1976, Tropenmed. u. Parasitol., v. 27 (1), 50-56
Wuchereria bancrofti, humans, effect of periodicity on microfilaremia prevalence surveys with assessment of variations in density if surveying in sub-peak hours: Liberia

Periodicity
Burke, G. J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 402-405
10 patients with presumed parasitological disease, circulating absolute eosinophil levels over a 24 hour period, periodicity, steroid administration will not separate parasitic from other causes of eosinophilia

Periodicity
Church, E. M.; Georgi, J. R.; and Robson, D. S., 1976, Cornell Vet., v. 66 (3), 333-336
Dirofilaria immitis, microfilarial periodicity, dogs, statistical analysis, variation in peak hours; emotional or environmental stresses may obscure periodicity

Periodicity
Coadwell, W. J.; and Ward, P. F. V., 1977, Parasitology, v. 74 (2), 121-132
Haemonchus contortus, sheep (exper.), suggested that cyclic change in parasite growth pattern and arrested development is controlled by seasonal variation in concentration of substance(s) in host blood, sex of host and duration of infection had no effect on parasite length, age of host did relate to parasite length but relationship may have been an artifact

Periodicity
Conklin, K. A.; et al., 1973, J. Protozool., v. 20 (5), 683-688
Plasmodium knowlesi, intraerythrocytic stages, incorporation of nucleic acid precursors, periodicity of DNA synthesis

Periodicity
Cornford, E. M.; Freeman, B. J.; and MacInnis, A. J., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 238-243
Trypanosoma lewisi in rats and T. duttoni in mice, possible relationships between circadian rhythms of trypanosomes and physiological variables of hosts

Periodicity
Crewe, S. M., 1974, J. Protozool., v. 21 (3), 449 [Abstract]
species of malaria with morphological characters resembling those of Plasmodium circumflexum, quotidian periodicity of schizogony, birds (nat. and exper.): Nigeria

Periodicity
Crystal, M. M., 1972, J. Med. Entom., v. 9 (6), 509-510
Cochliomyia hominivorax, chemosterilization by immersion in N,N'-tetramethylenebis (1-aziridinecarboxamide), susceptibility changed with time of day of treatment, permanence of sterility, effect on survival

Periodicity
Deane, L. M.; da Silva, J. E.; and Loures Filho, L., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 424-425 [Letter]
Trypanosoma minasense in Callithrix penicillata jordani and C. geoffroyi, circadian rhythm in parasitemia: Brazil

Periodicity
Dondero, T. J., jr.; Sivanandam, S.; and Lee, C.-C., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 691-693
Brugia malayi, diurnally sub-periodic microfilarial pattern found in region where nocturnal forms existed: West Malaysia

Periodicity
Doube, B. M., 1975, J. Med. Entom., v. 12 (1), 15-22
Ornithodoros gurneyi, rats (exper.), regulation of circadian rhythms controlling time of detachment of engorged larvae and nymphs, relevance to tick ecology

Periodicity
Duke, B. O. L., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 97-107
Loa loa, behavioral aspects of human and simian strains which have contributed to divergent adaptive evolution with 2 separate host-vector complexes that seldom result in parasite interchange

Periodicity
Duke, B. O. L.; and Moore, P. J., 1974, Tropenmed. u. Parasitol., v. 25 (2), 153-159
Onchocerca volvulus, Guatemalan strain in chimpanzees, periodicity of concentrations of microfilariae in skin, peak coincided with peak wave of biting density of main Simulium vectors in Guatemala, pattern of circadian undulation differs from West African strain

Periodicity
Eberhard, M. L.; and Rabalais F. C., 1976, Exper. Parasitol., v. 40 (1), 5-12
Dipetalonema viteae in Meriones unguiculatus, hypo- and hyperthermic stress resulted in increased numbers of microfilariae in peripheral blood, microfilariae do not exhibit cyclic periodicity

Periodicity
Eure, H., 1976, Parasitology, v. 73 (3), 355-370
Neoechinorhynchus cylindratus in Micropterus salmoides, seasonal periodicity (attempt to determine effects of water temperature, seasonally related host feeding habits, availability of infected intermediate hosts, host's sex and age, host location within reservoir), attempted analyses of parasite recruitment rate, maturation cycle, and sex ratio: heated reservoir (Par Pond), Energy Research and Development Administration's Savannah River Plant, Aiken, South Carolina

Periodicity
Gray, J. S., 1977, Parasitology, v. 75 (3), 285-292
Raillietina cesticillus, diurnal migration in both multiple and single worm infections of fowl, may explain lack of inflammation around sites of scolex attachment, may be related to feeding activity of host

Periodicity
Grimes, L. R.; and Miller, G. C., 1976, J. Parasitol., v. 62 (3), 434-441
Monobothrium ulmeri, Biacetabulum meridianum, and Penarchigetes sp. in Erimyzon oblongus, seasonal periodicity or lack of, mean intensities in male and female hosts, distribution and methods of attachment in host: Lake Raleigh, North Carolina

Periodicity
Guptavanij, P.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 44-50
Brugia malayi, blood survey of humans, domestic animals and rodents for evidence of infections established microfilariae to be nocturnally subperiodic, Mansonia bonneae and M. uniformis established as mosquito vectors: Banduat Canton, southern Thailand

Periodicity
Guptavanij, P.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 98-99 [Demonstration]
Brugia malayi, transmission of periodic infection from man to cats (exper.), comparative statistics of infections in both subjects

Periodicity
Guptavanij, P.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 100-101 [Demonstration]
Brugia malayi, prevalence of nocturnal subperiodic infections in areas near Thai-Malaysian border

Periodicity
Guptavanij, P.; and Harinasuta, C., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 94-95 [Demonstration]
Brugia malayi, statistics of sheathed and unsheathed appearance of periodic and subperiodic microfilariae from southern Thailand

Periodicity
Guptavanij, P.; and Harinasuta, C., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 185-189
Brugia malayi, humans, comparative study of periodicity of 2 endemic areas of South Thailand (Pattani and Narathiwat Provinces)

Periodicity
Hamdy, B. H., 1973, J. Med. Entom., v. 10 (1), 53-57
Argas arboreus, excretory cycle, seasonal effects (excretory rhythm of 3rd instar nymphs, adult males, and adult females did not differ significantly, but quantities excreted in each season differed distinctly), guanine and hematin as major excretory products

Periodicity
Hawking, F., 1975, Advances Parasitol., v. 13, 123-182
circadian and other rhythms of parasites, extensive review: rhythms depending on synchronous cell division, on discharge of infective forms, and on migrations of the same individuals; rhythmic migrations of intestinal worms; rhythms outside principal host; interrelation with rhythms of host environment; mathematical treatment; annual and other rhythms

Periodicity
Hawking, F., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 170
Trypanosoma congolense, periodicity in rodents (exper.)

Periodicity
Holdstock, R. P., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 9 [Demonstration]
Dipetalonema viteae, Mastomys natalensis a successful exper. host with patent infections established in mature males and immature males and females, periodicity, parasite localization, peripheral microfilaremia in relation to presence of female worms

Periodicity
Howell, F. G., 1976, J. Med. Entom., v. 13 (1), 99-106
Argas cooleyi, behavior responses to directed and undirected light, daily light cycle, effect of low temperature

Periodicity
Iwamoto, I., 1971, Nettai Igaku (Trop. Med.), v. 13 (1), 1-6
Wuchereria bancrofti microfilariae in carrier dogs, small amounts of diethylcarbamazine in blood cause temporary appearance of larvae and disturbance of 24-hour microfilarial rhythm

Periodicity
Iwamoto, I., 1972, Nettai Igaku (Trop. Med.), v. 14 (3), 124-137
Dirofilaria immitis, Wuchereria bancrofti, in vitro survival in various media, effects of temperature; D. immitis survival in dogs (exper.), periodicity, migration and localization

Periodicity
Kanda, T.; et al., 1976, Mosquito News, v. 36 (3), 364-365
biting cycles of possible vectors of "Timor filaria", Anopheles barbirostris: Timor Island, Indonesia

Periodicity
Khalil, G. M., 1976, Exper. Parasitol., v. 40 (2), 232-237
Argas arboreus, field-collected females, influence of short and long photoperiod before and/or after feeding on diapause induction and termination respectively

Periodicity
Lancastre, F.; et al., 1976, Ann. Parasitol., v. 51 (2), 227-239
Schistosoma mansoni, infection of Biomphalaria glabrata with 2 miracidia either on the same day or with the second miracidium given on day 3, 7, or 16, mortality and cercarial emission in different groups, periodicity, effect of infection on host fecundity

Periodicity
Levine, N. D.; Mansfield, M. E.; and Todd, K. S., jr., 1977, J. Parasitol., v. 63 (5), 954-956
Haemonchus contortus, effects of photoperiod during development and of storage on maturation of larvae in lambs

Periodicity
Lewis, J. W.; and Shava, F. H. M., 1977, Parasitology, v. 75 (2), iv [Abstract]
Syphacia obvelata, Nematospiroides dubius, differences in periodicity of egg deposition can be correlated with differences in transmission of infective stages to definitive host

Periodicity
McMahon, J. E., 1976, Internat. J. Parasitol., v. 6 (5), 373-377
Schistosoma haematobium, human, diurnal pattern of egg excretion, no evidence found to support hypothesis that rhythm is due to rapid increase in bladder activity in early morning, partial reversion of rhythm in day-shift workers changed to night-shift, possible role of host factors

Periodicity
Michel, J. F.; Lancaster, M. B.; and Hong, C., 1974, J. Comp. Path., v. 84 (4), 539-554
Ostertagia ostertagi, Cooperia oncophora, evidence that arrested development is due to action of environmental factors, nature of environmental signals not precisely identified but not simple, changes which they induce in larvae are spontaneously reversed after a time

Periodicity
Miller, M. J.; Ratard, R. C.; and McNeeley, D. F., 1976, J. Parasitol., v. 62 (5), 845-847
Wuchereria bancrofti, human, nocturnal microfilarial periodicity; presence of Mansonella ozzardi also reported: Haiti

Periodicity
Mohammed, A. N., 1976, Tijdschr. Diergeneesk., v. 101 (8), 413-420
Ixodes ricinus, pre-ovipositioning and prehatching periods as affected by photoperiodicity

Periodicity
Mueller, N. H. G., 1976, Gac. Vet., Buenos Aires (315), v. 38, 440-449
parasitic nematodes, inhibition of larval development, possible significance in cattle and sheep production; possibility of orienting anthelmintic treatment by bioclimatograph- and photoperiod-based forecast of onset of hypobiosis, review: Argentina

Periodicity
Newport, G. R.; et al., 1977, J. Parasitol., v. 63 (1), 15-24
Trypanosoma brucei gambiense-infected Microtus montanus, free serum amino acids, alteration in molar ratios and diurnal variation, possible role in neuropsychiatric syndromes of African trypanosomiasis

Periodicity
Norval, R. A. I., 1977, J. Parasitol., v. 63 (4), 734-739
Amblyomma hebraeum, distribution of larvae in relation to vegetation and microclimate, seasonal activity of all stages in relation to macroclimate, life cycle normally of 3 years duration, adult and nymphal activity correlated with daylength, temperature, and rainfall: Eastern Cape Province, South Africa

Periodicity
Page, C. R. III; MacInnis, A. J.; and Griffith, L. M., 1977, J. Parasitol., v. 63 (1), 91-95
Hymenolepis diminuta, diurnal periodicity of uridine uptake, no periodicity in uracil uptake, stimulatory effect of thymine on uptake rate of uridine

Periodicity
Partono, F.; et al., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 537-547
Brugia malayi, epidemiologic survey to establish extent of human filariasis (nocturnally periodic), vectors (Anopheles barbirostris) and reservoir hosts (none found); trials with hetrazan resulted in marked decrease of microfilariae in carriers: Margolembo, South Sulawesi

Periodicity
Pitchford, R. J.; and Du Toit, J. F., 1976, Ann. Trop. Med. and Parasitol., v. 70 (2), 181-187
Schistosoma intercalatum, S. leiperi, S. margrebowiei, shedding patterns and outdoor conditions affecting them, comparisons with S. haematobium

Periodicity
Pitchford, R. J.; and Visser, P. S., 1975, J. Helminth., v. 49 (2), 137-142
Schistosoma mattheei, pattern of excretion of eggs from naturally infected definitive hosts living in their normal environment over an extended period, man (decline with time, daily periodicity), baboon (seasonal pattern), cattle (stable pattern throughout year)

Periodicity
Rajagopalan, P. K.; Kazmi, S. J.; and Mani, T. R., 1977, Indian J. Med. Research, v. 66 (2), 200-215
Wuchereria bancrofti, statistical epidemiologic survey on microfilaremia (seasonal fluctuation of infection in Culex pipiens fatigans vectors, localization in vectors, human infection by age and sex, microfilarial periodicity, percentage of night biting, experimental laboratory infections): Pondicherry, India

Periodicity
Rakai, I. M.; et al., 1974, J. Med. Entom., v. 11 (5), 588-594
diel biting times for various Aedes and Culex spp., vector potential of A. polynesiensis and A. pseudoscutellaris for Wuchereria bancrofti transmission: Fiji

Periodicity
Robertson, A. S.; et al., 1975, J. Med. Entom., v. 12 (5), 525-529
Amblyomma americanum, unfed male and female adults, daily and seasonal behavior in relation to temperature, humidity, and photoperiod in different habitats, behavioral patterns suggest activity regulation by body water content: Cookson Hills State Game Refuge, Cherokee County, Oklahoma

Periodicity
Sasa, M.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (3), 370-376
Brugia malayi, Wuchereria bancrofti, field study to determine pattern of microfilarial periodicity conducted in locality where Brugia malayi was first described, both parasites of nocturnal periodic form: Bireuen, Indonesia

Periodicity
Sasa, M.; and Tanaka, H., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 518-536
Wuchereria bancrofti, Brugia malayi, humans, technique for statistical analysis of microfilarial periodicity survey data

Periodicity
Seed, J. R.; and Varney, J. R., 1976, Exper. Parasitol., v. 40 (2), 238-249
Trypanosoma brucei gambiense-infected rabbits, changes in diurnal rhythm of body temperature, preliminary results on diurnal rhythms of water consumption, fecal and urine output, return of normal temperature curve following chemotherapy (hydrocortisone + pentamidine isethionate)

Periodicity
Somers, J. A.; Shorey, H. H.; and Gaston, L. K., 1977, J. Chem. Ecol., v. 3 (4), 467-474
Rhabditis pellio, quantitative bioassay for female-produced attractant pheromone by measuring male migration response, age in relation to production and response, daily rhythms

Periodicity
Stabler, R. M.; and Kitzmiller, N. J., 1976, J. Parasitol., v. 62 (4), 539-544
Plasmodium pedioecetii, redescription, periodicity, no synchronicity of parasite development

Periodicity
Sucharit, S., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (4), 492-497
Brugia pahangi, differences in periodic patterns of microfilariae in experimental infections of rats and cats

Periodicity
Theron, A., 1975, Acta Trop., v. 32 (4), 309-316
Ribeiroia marini, photoperiodicity of cercarial emission from Biomphalaria glabrata

Periodicity
Theron, A., 1976, Ann. Parasitol., v. 51 (3), 329-340
Plagiorchis neomidis, life cycle, cercarial chetotaxy, photoperiodicity of cercarial emergence, metacercarial development

Periodicity
Theron, A.; Pointier, J. P.; and Combes, C., 1977, Ann. Parasitol., v. 52 (4), 421-433
Schistosoma mansoni, factors affecting cercarial concentration (rhythm of presence) in sites of transmission: rhythm of emission, numbers of Biomphalaria glabrata parasitized, temperature, rate of current: Guadeloupe

Periodicity
Tsuneda, K., 1974, Nettai Igaku (Trop. Med.), v. 16 (1), 11-20
Plasmodium gallinaceum, asexual forms and gametocytes, cyclic changes in numbers in blood of infected fowls, effect of chloroquine treatment, exflagellation of gametocytes (as indication of infectivity for mosquito vectors) demonstrated as long as mature gametocytes could be found in blood

Periodicity
Worms, M. J., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 53-67
microfilariae, Plasmodium spp., trypanosomes, rhythmic behavior, significance in relation to transmission, review

Periodicity
Yang, J.; and Scholten, T., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 16-22
Dientamoeba fragilis in humans, extensive epidemiologic survey, pathology, fecal examination diagnostic methods, periodicity, frequent occurrence in presence of Enterobius vermicularis suggests possibility of helminths as vectors: Toronto, Canada

Periodicity
Yap, E.-H.; et al., 1975, J. Helminth., v. 49 (4), 263-269
Breinlia booliati, nocturnal subperiodicity in Rattus sabanus vs. irregular fluctuations of microfilariae in albino rats, prepatent period, levels and patterns of microfilaremia during course of infection, cortisone without effect on microfilarial levels when administered near or at postpatency

Periodicity
Yescott, R. E.; and Hansen, E. L., 1976, J. Invert. Path., v. 28 (3), 315-320
Schistosoma mansoni, Biomphalaria glabrata exposed to manganese, inhibition of cercarial maturation and emergence, long photoperiod can override manganese inhibition; manganese exerts anesthetic and relaxing action on snail

Peritoneum
Ahluwalia, H. S., 1965, Med. J. Malaya, v. 19 (4), 316-317
case report of acute peritonitis in man caused by granulomatous lesion of Ascaris lumbricoides, original diagnosis of tuberculosis had been made: Malaysia

Peritoneum
Anagnostakis, D. E.; and Nicolopoulos, D., 1972, Pediatrie, v. 27 (1), 61-64
congenital toxoplasmosis in premature infant, severe ascites without evidence of cirrhosis of liver attributed to toxoplasmic infection of peritoneum, clinical case report: Athens, Greece

Peritoneum
Catarsini, O., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 297-299
parasitic peritonitis (ascites of Sendrail and Cuille) in a dog, clinical aspects, parasite "vesicles" obtained by paracentesis, morphology, identification uncertain: Sicily

Peritoneum
Lahiri, V. L.; Elhence, B. R.; and Agarwal, B. M., 1977, Acta Cytol., v. 21 (1), 123-124
Balantidium coli causing fatal case of human peritonitis, morphologic features as seen in routine cytologic smear (Papanicolaou) of ascitic fluid, differential diagnosis from malignancy

Peritoneum
Pieron, R.; et al., 1974, Medecine Afrique Noire, v. 21 (4), 255-266
Schistosoma haematobium, case report, schistosomal peritoneal granuloma and accompanying lung infection, differential diagnosis by biopsy: native of Mauritius living in France

Peritoneum
Schneider, J., 1969, Med. Proc., Johannesburg, v. 15 (19), 342-344
bilharziasis with particular reference to South Africa, review: uncommon clinical pictures of intestinal bilharziasis; bilharziasis of peritoneum; bilharziasis and appendix

Peritonitis. See Peritoneum.

Permeation. [See also Absorption; Osmosis]

Permeation
Anantaraman, S.; and Ravindranath, M. H., 1976, Ztschr. Parasitenk., v. 48 (3-4), 227-238
Acanthosentis sp. (identified in footnote as A. oligospinus), egg envelopes of acanthor, layers, histochemistry, permeability, phase-contrast microscopy

Permeation
Barrett, J., 1976, Parasitology, v. 73 (1), 109-121
Ascaris lumbricoides eggs, studies on mechanism of induction of permeability, "no firm conclusions can be drawn"

Permeation
Coil, W. H., 1975, Ztschr. Parasitenk., v. 48 (1), 9-14
Shipleya inermis, embryophore (inner capsule) of oncosphere, histochemistry and electron microscopy, lamina in zig-zag pattern, permeability to various substances, development

Permeation
van der Gulden, W. J. I.; and van Aspert-van Erp, A. J. M., 1976, Exper. Parasitol., v. 39 (1), 40-44
Syphacia muris, egg hatching: effects of 22°C, 37°C, and cysteine on larval motility within closed egg and on subsequent hatching; effects of temperature, cysteine, and trypsin on permeability of water through eggshell; effect of water on opening of operculum

Permeation
Homewood, C. A.; Neame, K. D.; and Momen, H., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 429-434
Babesia rodhaini-infected mice, red cells show marked increase in permeability as measured by entry of L-glucose

Permeation
Hustead, S. T.; and Williams, J. F., 1977, J. Parasitol., v. 63 (2), 314-321
Taenia taeniaeformis, T. crassiceps, Echinococcus granulosus, permeability studies: detection of host immunoglobulins of several different classes within bladder fluids, uptake of intact heterologous and homologous host proteins in vitro and in vivo

Permeation
Hustead, S. T.; and Williams, J. F., 1977, J. Parasitol., v. 63 (2), 322-326
Taenia taeniaeformis, T. crassiceps, larvae, increased rate of absorption of certain macromolecules in presence of antibody and complement but substances associated with larvae in vitro can deplete functional complement levels in surrounding medium leading to restoration of normal permeability control

Permeation
Jensen, J. B.; et al., 1976, J. Parasitol., v. 62 (2), 195-198
Eimeria spp., effect of substituting various gases for CO_2 in established excystation procedure, evidence that role of CO_2 is that of allosteric effector enhancing action of reducing agent

Permeation
Kovac, L.; Cerkasov, J.; and Cerkasovova, A., 1977, J. Protozool., v. 24 (4), 51A [Abstract]
Tritrichomonas foetus cells, osmotic and permeability properties

Permeation
Mitterer, K.-E., 1975, Ztschr. Parasitenk., v. 48 (1), 35-45
Dicrocoelium dendriticum miracidia, hatching with formic acid, caproic acid and intestinal juice of Helix pomatia, absence of O_2, presence of bacteria; indirect dependence on pH; permeabilities and osmotic pressure; hypothesis of hatching mechanism: granular gland activation releases enzyme, polysaccharide digested to oligosaccharide, rising osmotic pressure bursts operculum

Permeation
Momen, H.; Homewood, C. A.; and Neame, K. D., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 519-520
Anthemosoma garnhami-infected mice, red cells show marked increase in permeability as measured by entry of L-glucose

Permeation
Neame, K. D.; Homewood, C. A.; and Momen, H., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 8 [Demonstration]
Plasmodium berghei, Babesia rodhaini, effect of intraerythrocytic parasites on the permeability of red-cell membrane

Permeation
Podesta, R. B.; and Mettrick, D. F., 1977, Comp. Biochem. and Physiol., v. 57 (2A), 265-273
Hymenolepis diminuta-infected vs. uninfected rats, permeability of mucosa of different regions of small intestine to water, electrolytes, and glucose, results best explained by decrease in passive permeability of parasitized intestinal mucosa

Permeation
Reisin, I. L.; et al., 1977, Internat. J. Parasitol., v. 7 (3), 189-194
Echinococcus granulosus, mebendazole readily permeates through membranes of secondary cysts

Permeation
Sauer, J. R.; Mincolla, P. M.; and Needham, G. R., 1976, Comp. Biochem. and Physiol., v. 53 (2C), 63-66
Amblyomma americanum, isolated salivary glands, effects of adrenaline, cyclic AMP, and inhibitors on function (uptake of chloride and fluid secretion)

Permeation
Vercelli-Retta, J.; et al., 1975, Ztschr. Parasitenk., v. 48 (1), 15-23
Echinococcus granulosus, hydatid cysts from human and bovine lungs, germinal membrane, histochemistry and histoenzymology, enzymes, lipids, metabolic pathways, possible endocrine system; possible future pharmacological studies for interference with parasite development

pH. See Hydrogen ion concentration.

Phagocytosis. [See also Endocytosis; Feeding; Immunity, Phagocytosis; Invasion mechanisms; Pinocytosis]

Phagocytosis
Alexander, J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 6 [Demonstration]
Leishmania mexicana, inhibition of macrophage invasion using cytochalasin B

Phagocytosis
Alexander, J., 1975, J. Protozool., v. 22 (2), 237-240
differential effect of antiphagocytic agent cytochalasin B on macrophage invasion by Leishmania mexicana promastigotes vs. Trypanosoma cruzi epimastigotes suggests that L. mexicana enters macrophages by being phagocytosed whereas T. cruzi can actively penetrate these cells

Phagocytosis
Ebert, F.; and Enriquez, G. L., 1976, Ztschr. Parasitenk., v. 50 (2), 199-200
Leishmania donovani, in vivo phagocytosis by hamster macrophages, electron microscopy

Phagocytosis
Feldman, M. R., 1977, Exper. Parasitol., v. 41 (2), 290-306
Naegleria fowleri, cytochemical assays using acid phosphatase and 3,3'-diaminobenzidine reveal extent to which lysosomes and heme proteins contribute to cytoarchitecture, data suggest that pathogen's rapid invasive behavior is result of availability of erythrocytes (primary source of nutriment) in host inflammatory reaction and combined mechanisms of enhanced extracellular destruction with subsequent phagocytosis

Phagocytosis
Harry, O. G.; and Finlayson, L. H., 1976, Parasitology, v. 72 (2), 127-135
Malpighamoeba locustae in Schistocerca gregaria, life cycle, ultrastructure, mode of feeding (phagocytosis)

Phagocytosis
Jensen, J. B.; and Edgar, S. A., 1976, J. Parasitol., v. 62 (2), 203-206
Eimeria magna sporozoites, penetration into cultured cells, effects of antiphagocytic agents and microtubule inhibitors, results suggest that phagocytosis is not mechanism of entry but that sporozoite motility is of primary importance

Phagocytosis
Langreth, S. G., 1976, J. Protozool., v. 23 (2), 215-223
Babesia microti vs. Plasmodium lophurae, feeding mechanisms of parasites freed of host erythrocytes, ferritin uptake of in vitro culture system

Phagocytosis
Lewis, D. H., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 327-336
Leishmania mexicana mexicana, infection of dog sarcoma cells in presence of cytochalasin B indicates parasites can infect host cells without agency of active phagocytosis by latter; differing abilities of various Leishmania spp. promastigotes to infect same cell type suggest active contribution of parasites themselves to infection

Phagocytosis
Lewis, D. H.; and Peters, W., 1977, Ann. Trop. Med. and Parasitol., v. 71 (3), 295-312
Leishmania spp., promastigote forms, relationship between parasites and host macrophages and their relevance to intracellular survival of parasites, resistance of intracellular Leishmania to digestion by lysosomal enzymes

Phagocytosis
Lushbaugh, W. B.; et al., 1976, Proc. 34. Ann. Meet. Electron Microsc. Soc. America, 140-141
Entamoeba histolytica, endocytosis and digestion by trophozoites, electron microscopy

Phagocytosis
Lushbaugh, W. B.; Kairalla, A. B.; and Pittman, F. E., 1976, J. Protozool., v. 23 (2), 12A [Abstract]
Entamoeba histolytica, phagocytosis, ingestive and digestive processes studied ultrastructurally

Phagocytosis
Nogueira, N.; and Cohn, Z., 1976, J. Exper. Med., v. 143 (6), 1402-1420
light and electron microscopic study of mechanism of entry and intracellular fate of epimastigotes and trypomastigotes of Trypanosoma cruzi in mammalian cells with comparison studies of other cell types, demonstration of phagocytic process

Phagocytosis
Silard, R.; Stoicescu, V.; and Dunareanu, G., 1975, Arch. Roumaines Path. Exper. et Microbiol., v. 34 (4), 313-328
Entamoeba histolytica, electron microscopic study of autochthonous Romania strain with emphasis on phagocytosis

Phagocytosis
Stadler, B.; et al., 1976, Ztschr. Immunitaetsforsch., v. 152 (2), 117-118 [Abstract]
Leishmania tropica, internal labelling with ^{3}H-thymidine in order to study attachment to vs. phagocytosis by macrophages in vitro under different conditions (with and without antibodies, activation of macrophages, etc.)

Phagocytosis
Varma, S.; Malik, P. D.; and Lal, S. S., 1976, Vet. Rec., v. 99 (13), 256
Balantidium coli, consumption of Ascarops strongylina eggs observed during routine fecal examination, pig; possible role in epidemiology of A. strongylina

Phagocytosis
Visvesvara, G. S.; and Callaway, C. S., 1974, J. Protozool., v. 21 (2), 239-250
Naegleria fowleri, pathogenesis in mice and in monkey kidney cell cultures, observations show that amebas invade and destroy brain tissue by active phagocytosis

Phagocytosis
Visvesvara, G. S.; Callaway, C. S.; and Healy, G. R., 1973, J. Protozool., v. 20 (4), 498
Naegleria fowleri, mechanism of pathogenesis in mouse brain and in monkey kidney cell cultures, light and electron microscopy, observations clearly show that amoebae invade and destroy brain tissue by active phagocytosis

Pharmacology, Manuals and textbooks
Jones, L. M.; Booth, N. H.; and McDonald, L. E., 1977, Veterinary pharmacology and therapeutics. 4. ed., 1380 pp., illus.
chapter on parasite chemotherapy

Pharmacology, Manuals and textbooks
Laemmler, G.; Gruener, D.; and Chandra, S., 1976, Bibliography on suramin 1920-1975, 153 pp.

Pharmacology, Mode of drug action. See Drugs, Mode of action.

Pharynx
Rohde, K., 1965, Med. J. Malaya, v. 20 (1), 55
types and functions of cells in pharynx of Polystomoides malayi

Phenology. See Climate.

Pheromones. [See also Attractants; Hormones]

Pheromones
Berezantsev, Iu. A.; and Oparin, E. N., 1976, Dokl. Akad. Nauk SSSR, v. 226 (5), 1236-1239
Schistocephalus solidus, Diphyllobothrium latum, Hydatigera taeniaeformis, inhibition of leucocyte chemotaxis by parasite exometabolites, these exometabolites (telergones) are thermostable, non-protein in nature, dialyzable, and are not volatile fatty acids

Pheromones
Berger, R. S., 1972, Science (4050), v. 177, 704-705
Amblyomma americanum females, identification of 2,6-dichlorophenol, possible sex pheromone

Pheromones
Berger, R. S.; Dukes, J. C.; and Chow, Y. S., 1971, J. Med. Entom., v. 8 (1), 84-86
Amblyomma americanum, A. maculatum, Dermacentor variabilis, pheromone from female extracts excited males and resulted in responses reminiscent of mating behavior, males must reach state of maturity initiated by feeding before they will respond; chemical properties indicate it is a weak acid, possibly a phenol, site of extract production appears to be female reproductive organs

Pheromones
Bone, L. W.; et al., 1977, Exper. Parasitol., v. 42 (1), 82-86
Nippostrongylus brasiliensis, pheromone production and response, effect of parasite age, time of day periodicity not demonstrated

Pheromones
Bone, L. W.; and Shorey, H. H., 1977, J. Parasitol., v. 63 (5), 845-848
Nippostrongylus brasiliensis, interactive influences of male- and female-produced pheromones on male attraction to female

Pheromones
Bone, L. W.; and Shorey, H. H., 1977, Science (4304), v. 197, 694-695
Nippostrongylus brasiliensis, males maintained in environment permeated with female pheromone have greatly reduced subsequent ability to orient to gradient of pheromone emanating from living females for periods up to 2 hours, possible use of this phenomenon in control

Pheromones
Bone, L. W.; Shorey, H. H.; and Gaston, L. K., 1977, J. Parasitol., v. 63 (2), 364-367
Nippostrongylus brasiliensis, mutual heterosexual attraction in vitro, pheromonal dosage response, homosexual trials

Pheromones
Iqbal, Q. J., 1975, Biologia, Lahore, v. 21 (2), 181-184
Nosopsyllus fasciatus, mating temporarily inhibited by chilling below 20° C, results suggest that either cooling destroyed attractiveness of the mating pheromone on female cuticle or an intermediate process (neuroendocrine) in production of a transient pheromone is switched off

Pheromones
Layton, E. C.; and Sonenshine, D. E., 1975, J. Med. Entom., v. 12 (3), 287-295
Dermacentor variabilis, D. andersoni, females, structure of glands associated with foveae dorsales, histology and scanning electron microscopy, changes during feeding, possible role in sex pheromone activity.

Pheromones
Leahy, (Sr.) M. G.; et al., 1975, J. Med. Entom., v. 12 (3), 284-287
Ornithodoros moubata, female assembly pheromone induces male assembly; male pheromone induces male and female aggregation; extraction of female pheromones; removal of olfactory sensillae reduces or eliminates response

Pheromones
Leahy, (Sr.) M. G.; et al., 1975, J. Med. Entom., v. 12 (4), 413-414
assembly pheromones from Ornithodoros and Argas species, interspecific responses; feeding increased pheromone production and decreased response; possible function in host location

Pheromones
Leahy, M. G.; et al., 1976, Vet. Parasitol., v. 1 (3), 249-256
Rhipicephalus appendiculatus, attraction of male to female ticks in relation to feeding, results suggest possible existence of female sex pheromone

Pheromones
Rechav, Y.; Whitehead, G.B.; and Knight, M.M., 1976, Nature, London (5544), v. 259, 563-564
Amblyomma hebraeum, aggregation response of nymphs to pheromone(s) produced by males

Pheromones
Roberts, T. M.; and Thorson, R. E., 1977, J. Parasitol., v. 63 (2), 357-363
Nippostrongylus brasiliensis, chemical attraction between adults both within host intestine and in vitro with particular regard to effect of host immunity on parasite behavior

Pheromones
Roberts, T. M.; and Thorson, R. E., 1977, J. Parasitol., v. 63 (5), 849-853
Nippostrongylus brasiliensis, characterization of pheromone which attracts females (lipid fraction of excretory and secretory products of both males and females), that from immune-damaged females was not attractive

Pheromones
Somers, J. A.; Shorey, H. H.; and Gaston, L. K., 1977, J. Chem. Ecol., v. 3 (4), 467-474
Rhabditis pellio, quantitative bioassay for female-produced attractant pheromone by measuring male migration response, age in relation to production and response, daily rhythms

Pheromones
Sonenshine, D. E.; et al., 1976, J. Chem. Ecol., v. 2 (2), 201-209
Dermacentor andersoni, D. variabilis, 2,6-dichlorophenol identified as sex pheromone, probably occurs generally throughout metastriate Ixodidae

Pheromones
Stringfellow, F., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 4-10
Pelodera strongyloides, hydroxyl ion, attractant to males, introduction of therapeutic agents to block nematode attractant could significantly decrease reproductive potential

Pheromones
Treverrow, N. L.; Stone, B. F.; and Cowie, M., 1977, Experientia, v. 33 (5), 680-682
Ixodes holocyclus, Aponomma concolor, aggregation pheromones demonstrated

Pheromones
Wood, W. F.; et al., 1975, J. Chem. Ecol., v. 1 (4), 501-509
ixodid ticks, phenolic compounds as pheromones, sexual attractants, chemical extraction and bioassay

Philippine Islands
Arambulo, P. V. III, 1974, Internat. J. Zoonoses, v. 1 (2), 58-74
natural nidality of endoparasitic zoonoses in the Philippines, preventive measures, review

Philippine Islands
Cabrera, B. D.; Arambulo, P. V. III; and Portillo, G. P., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 510-518
human intestinal parasitic survey: Palo, Leyte, Philippines
(Trichuris; hookworm; Schistosoma; Entamoeba histolytica; E. coli; G[iardia] lamblia; E. nana)

Philippine Islands
Conover, A. E., jr.; and Brooks, J. R., 1975, Philippine J. Vet. Med., v. 13 (1-2), 183-186
survey, absence of blood parasites in dogs: Bohol Island, Philippines

Philippine Islands
Cross, J. H.; et al., 1977, Ann. Trop. Med. and Parasitol., v. 71 (4), 435-441
serologic and stool survey of natives of Cebu Island for evidence of suspected epidemic of amoebiasis and statistics of additional parasitism: Philippine Islands
(Entamoeba histolytica; E. hartmanni; E. coli; Endolimax nana; Giardia lamblia; Ascaris lumbricoides; Trichuris trichiura; hookworm; Dicrocoelium-like egg; Chilomastix mesnili; Iodamoeba buetschlii; Trichomonas hominis; Balantidium coli; Enterobius vermicularis; Strongyloides stercoralis; Hymenolepis diminuta; Schistosoma japonicum; heterophyid eggs; unidentified nematode eggs)

Philippine Islands
Harinasuta, T.; Gilles, H. M.; and Sandosham, A. A. [Editors], 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (4), 641-678
human malaria in southeast Asia, scientific group meeting with discussion on: epidemiology, clinical features, pathophysiology, genetic factors, immunology, diagnosis, chemotherapy, control measures

Philippine Islands
Jueco, N. L.; Palaypay, M. A.; and Aceremo, L., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (4), 582-587
prevalence and intensity of intestinal parasites of humans on Talim Island, Binangonan, Rizal, Philippines
(Ascaris lumbricoides; Trichuris trichiura; Strongyloides stercoralis; hookworm; Entamoeba histolytica; E. coli; Giardia lamblia; Chilomastix mesnili; Iodamoeba butschlii; Trichomonas hominis)

Philippine Islands
Manuel, M. F.; Mendoza, C. B.; and Navarro, J. A., 1975, Philippine J. Vet. Med., v. 13 (1-2), 1974, 187-199
Toxoplasma gondii, pigs, incidence, serological survey, indirect hemagglutination test

Philippine Islands
Santos, A. T., jr., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 133-136
Schistosoma japonicum, statistical review of prevalence and distribution of human schistosomiasis in the Philippine Islands

Photoperiodism. See Light; Periodicity.

Phylogeny. See Evolution.

Physiology, Acanthocephala
Denbo, J. R.; and Miller, D. M., 1975, Tr. Illinois State Acad. Sc., v. 68 (1), 73-82
Macracanthorhynchus hirudinaceus, various dilutions of sea water, osmolarity and ionic composition of pseudocoloemic fluid, sodium, calcium and potassium ions; weak forms of ionic and osmotic regulatory mechanisms

Physiology, Acanthocephala
Hightower, K.; Miller, D. M.; and Dunagan, T. T., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 71-79
Macracanthorhynchus hirudinaceus, physiology of circular and longitudinal body wall muscles, activation system

Physiology, Acanthocephala
Starling, J. A., 1975, Tr. Am. Micr. Soc., v. 94 (4), 508-523
Hymenolepis diminuta and Moniliformis dubius, tegumental hexose transport, compared to glucose transport of other tapeworms and mucosal brush border of the vertebrate intestine, correlation between mechanisms of membrane transport and biochemical environment of absorptive surfaces

Physiology, Arthropoda
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, Zool. Zhurnal, v. 55 (9), 1308-1317
ixodid and argasid ticks, fine structure and function of palpal receptor organ

Physiology, Arthropoda
Banaja, A. A.; James, J. L.; and Riley, J., 1976, Parasitology, v. 73 (2), xxix [Abstract]
pentastomids, tegumental cuticular cells, osmoregulatory function

Physiology, Arthropoda
Banaja, A. A.; James, J. L.; and Riley, J., 1977, Internat. J. Parasitol., v. 7 (1), 27-40
Reighardia sternai, Porocephalus crotali, Armillifer moniliformis, tegumental chloride cells (previously termed cuticular cells), ultrastructure, osmoregulatory function

Physiology, Arthropoda
Barker, D. M.; Guenther, P. E.; and Sauer, J. R., 1977, Comp. Biochem. and Physiol., v. 57 (1C), 17-23
Amblyomma maculatum, development of simple in vitro technique enabling measurement of transepithelial electrical potential across isolated tick gut

Physiology, Arthropoda
Binnington, K. C.; and Rice, M. J., 1977, J. Austral. Entom., v. 16 (1), 80
Boophilus microplus, BTS-27271, rapid transient increase of spike frequency in a coxal nerve, increased motor activity following treatment linked with tendency of tick to detach from host

Physiology, Arthropoda
Brown, D. J.; Sauer, J. R.; and Needham, G. R., 1975, Ann. Entom. Soc. Am., v. 68 (4), 768-770
Amblyomma americanum, comparison of extracellular fluid volume (inulin space) of salivary glands incubated with and without adrenaline, total tissue water content increased in adrenaline-incubated glands, significance to mechanisms of fluid transport across tick salivary glands discussed

Physiology, Arthropoda
Faucheux, M.-J., 1975, Bull. Soc. Sc. Nat. Ouest France, v. 73 (2-3), 69-76
Pediculus humanus capitis, Pthirus pubis, feet, respiratory system, functional morphology, scanning electron microscopy

Physiology, Arthropoda
Gabbay, S.; and Warburg, M. R., 1976, J. Insect Physiol., v. 22 (9), 1291-1301
Ornithodoros tholozani, appearance of neurosecretory cells as related to feeding, blood digestion, mating, and oogenesis

Physiology, Arthropoda
Guenther, P. E.; Sauer, J. R.; and Barker, D. M., 1977, Comp. Biochem. and Physiol., v. 57 (1C), 25-30
Amblyomma maculatum, effect of drugs on transepithelial potential across isolated tick gut tissue

Physiology, Arthropoda
Haase, W., 1975, Ztschr. Morphol. Tiere, v. 81 (4), 343-353
Argulus foliaceus, ultrastructural changes in fields of carapace with changes of ion concentration in habitat, acute changes when put into distilled water or 1% sodium chloride solution, small changes with gradual adaptation to lower concentrations

Physiology, Arthropoda
Hair, J. A.; Sauer, J. R.; and Durham, K. A., 1975, J. Med. Entom., v. 12 (1), 37-47
Amblyomma americanum, A. maculatum, Dermacentor variabilis, critical equilibrium humidity, effects of low and high humidities on rates of weight change, total water content, hemolymph volume, and humidity preference, correlation with geographical distribution and resistance to dehydration

Physiology, Arthropoda
Hamdy, B. H., 1973, J. Med. Entom., v. 10 (4), 345-348
Hyalomma dromedarii, cycle of nitrogenous excretion of nymphs and females, feeding and postfeeding states

Physiology, Arthropoda
John, S. E.; and Nair, N. B., 1974, Monitore Zool. Ital., n.s., v. 8 (3), 133-140
Hermilius longicornis, function and morphology of mouth parts

Physiology, Arthropoda
Kannupandi, T., 1976, Indian J. Exper. Biol., v. 14 (1), 57-58
Pennella elegans, chemical composition and mode of stabilization of cuticle protein, disulphide linkage, possible function in protection from host enzymes

Physiology, Arthropoda
Kannupandi, T., 1976, Science and Culture, v. 42 (10), 523-524
Pennella elegans, cuticular respiration

Physiology, Arthropoda
Kaufman, W., 1976, J. Exper. Biol., London, v. 64 (3), 727-742
fluid secretion by in vitro salivary glands of ixodid ticks with progression of feeding, control of salivation is probably neural rather than hormonal

Physiology, Arthropoda
Kaufman, W. R., 1977, European J. Pharmacol., v. 45 (1), 61-68
Dermacentor andersoni, Amblyomma hebraeum, isolated salivary glands, influence of adrenergic agonists and their antagonists on salivary fluid secretion

Physiology, Arthropoda
McMullen, H. L., 1976, J. Kansas Entom. Soc., v. 49 (4), 530 [Abstract]
Amblyomma americanum, mouth as site of water vapor uptake, possible mechanisms

Physiology, Arthropoda
McMullen, H. L.; Sauer, J. R.; and Burton, R. L., 1976, J. Insect Physiol., v. 22 (9), 1281-1285
Amblyomma americanum, mouth confirmed as site of water vapor absorption, movement of chloride ions traced in desiccated and rehydrated ticks, suggests possible role of salivary glands in water vapor uptake

Physiology, Arthropoda
Megaw, M. W. J., 1977, Cell and Tissue Research, v. 184 (4), 551-558
Boophilus microplus, innervation of salivary gland

Physiology, Arthropoda
Needham, G. R.; and Sauer, J. R., 1975, J. Insect Physiol., v. 21 (12), 1893-1898
Amblyomma americanum, salivary fluid secretion from isolated salivary glands, stimulating and inhibiting effects of various substances, mechanisms and control of glandular function

Physiology, Arthropoda
Rudolph, D.; and Knuelle, W., 1974, Nature (5452), v. 249, 84-85
ixodid ticks, water vapor uptake from atmosphere, site (mouthparts) and mechanism (may be related to hygroscopic properties of salivary secretion)

Physiology, Arthropoda
Sauer, J. R.; Mincolla, P. M.; and Needham, G. R., 1976, Comp. Biochem. and Physiol., v. 53 (2C), 63-66
Amblyomma americanum, isolated salivary glands, effects of adrenaline, cyclic AMP, and inhibitors on function (uptake of chloride and fluid secretion)

Physiology, Arthropoda
Steinbrecht, R. A.; and Mueller, B., 1976, Tissue and Cell, v. 8 (4), 615-636
Cimex lectularius, antennal sensilla, scanning and transmission electron microscopy

Physiology, Arthropoda
Trainer, J. E., jr.; Self, J. T.; and Richter, K. M., 1975, J. Parasitol., v. 61 (4), 753-758
Porocephalus crotali, cuticle, ultrastructure, function, phylogenetic implications (clearly pro-arthropodan, uniqueness supports status of independent phylum)

Physiology, Arthropoda
Vashchenok, V. S., 1975, Entom. Obozr., v. 54 (2), 352-354
Xenopsylla cheopis, formation, structure, and pigmentation of corpora lutea, suggested that these cells fulfill a secretory function

Physiology, Cestoda
von Brand, T.; and Weinbach, E. C., 1975, Ztschr. Parasitenk., v. 48 (1), 53-63
Taenia taeniaeformis, larvae, calcium uptake into soft tissues and calcareous capsules, measured in vivo and in vitro with radioactive labelling, accumulated by diffusion, not by active transport

Physiology, Cestoda
Fairweather, I., 1976, Parasitology, v. 73 (2), xxxiv [Abstract]
Hymenolepis nana, neurosecretory cells

Physiology, Cestoda
Hariri, M., 1975, J. Parasitol., v. 61 (3), 440-448
Mesocestoides corti, tetrathyridia, kinetics of uptake of 5-hydroxytryptamine, possible role as neurotransmitter

Physiology, Cestoda
Lumsden, R. D., 1975, Tr. Am. Micr. Soc., v. 94 (4), 501-507
Lacistorhynchus tenuis and Hymenolepis diminuta, tegument, model system for studies on membrane structure and function in host-parasite relationships

Physiology, Cestoda
McCracken, R. O.; Lumsden, R. D.; and Page, C. R. III, 1975, J. Parasitol., v. 61 (6), 999-1005
Hymenolepis diminuta, sodium-sensitive nucleoside transport

Physiology, Cestoda
Mead, R. W., 1976, J. Parasitol., v. 62 (2), 328-329
Hymenolepis diminuta migration in rat intestine, effect of abnormal glucose distribution, posterior movement of cestodes in response to posterior movement of glucose

Physiology, Cestoda
Page, C. R. III; MacInnis, A. J.; and Griffith, L. M., 1977, J. Parasitol., v. 63 (1), 91-95
Hymenolepis diminuta, diurnal periodicity of uridine uptake, no periodicity in uracil uptake, stimulatory effect of thymine on uptake rate of uridine

Physiology, Cestoda
Pappas, P. W.; and Freeman, B. A., 1975, J. Parasitol., v. 61 (3), 434-439
Hymenolepis microstoma, mechanism of glucose transport and accumulation, sodium requirement

Physiology, Cestoda
Pappas, P. W.; and Hansen, B. D., 1977, J. Parasitol., v. 63 (5), 800-804
Hymenolepis diminuta, chloride-sensitive glucose transport

Physiology, Cestoda
Podesta, R. B., 1977, Exper. Parasitol., v. 43 (1), 12-24
Hymenolepis diminuta, effect of unstirred water layers on apparent influx kinetics of glucose, galactose, and alanine uptake by worms incubated in vitro

Physiology, Cestoda
Podesta, R. B., 1977, Exper. Parasitol., v. 43 (2), 295-306
Hymenolepis diminuta, electrolyte transport pools of tissues, effect of metabolic inhibitors, mechanism of transtegumental Na^+ transport

Physiology, Cestoda
Podesta, R. B.; et al., 1977, Exper. Parasitol., v. 42 (2), 300-317
Hymenolepis diminuta, determination of unidirectional uptake rates for various nonelectrolytes across surface 'epithelial' membrane, methods examined for sources of error originating both from natural variability and from the various techniques used

Physiology, Cestoda
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lack of clinical manifestations in Hymenolepis diminuta-caused maldigestion and malabsorption in rats, determination of compensatory mechanisms including enhanced glucose- and bicarbonate-stimulated transport in infected small intestine, low mucosal permeability, and functional compensatio by colon

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Podesta, R. B.; and Mettrick, D. F., 1977, Canad. J. Physiol. and Pharmacol., v. 55 (4), 791-803
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Physiology, Host
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Physiology, Host
Sanyal, S. K.; et al., 1977, Am. Rev. Resp. Dis., v. 115 (4, pt. 2), 290 [Abstract]
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Physiology, Host
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physiological aspects of reproduction in nematodes, extensive review: range of reproductive phenomena; reproductive system; male and female gametes; physiology of fertilization; development; sex differentiation; nutrition and other factors in egg production; behavioural aspects of reproduction; reproductive phenomena and parasitism

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Physiology, Nematoda
Atkinson, H. J., 1976, Organ. Nematodes (Croll), 243-272
respiratory physiology of nematodes, review: diffusion of oxygen into nematodes; factors influencing oxygen demand; oxygen availability; respiration in low oxygen regimes; respiratory function of haemoglobin in nematodes

Physiology, Nematoda
Bennet-Clark, H. C., 1976, Organ. Nematodes (Croll), 313-342
mechanics of nematode feeding: anatomy of nematode oesophageal pump; feeding performance; theory of filling and emptying of nematode oesophagus; a model for filling cycle of oesophagus of Ascaris

Physiology, Nematoda
Bird, A. F., 1976, Organ. Nematodes (Croll), 107-137
skeletal structures in nematodes (copulatory spicules, cuticle, egg shell): structure, chemical composition, ontogeny, function, review

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behavioral analysis of nematode movement, extensive review

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Physiology, Nematoda
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Physiology, Nematoda
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Jarman, M., 1976, Organ. Nematodes (Croll), 293-312
Ascaris lumbricoides, neuromuscular physiology, review: morphology; working of nerve-muscle preparation; ionic fluxes across muscle cell membranes

Physiology, Nematoda
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physiology of nematodes, textbook

Physiology, Nematoda
Lewis, L. M.; et al., 1977, Biol. Bull., v. 153 (2), 436 [Abstract]
Strongylus edentatus, ultrastructure of syncytial intestinal epithelium, possible contraction mechanisms

Physiology, Nematoda
McLaren, D. J., 1976, Advances Parasitol., v. 14, 195-265
nematode sense organs (cephalic, cervical, caudal, non-regional), morphology and functional considerations, extensive review

Physiology, Nematoda
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Physiology, Nematoda
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Romanomermis culicivorax, parasitic juveniles, morphological evidence of possible transport system for transcuticular uptake of nutrients

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Haemonchus contortus, suggested that exsheathing fluid contains a zinc metalloenzyme (probably leucine aminopeptidase) which is involved in process of exsheathment

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Setaria cervi, effects of various chemicals on parasite nerve-muscle complexes and locomotion using worms with cuticular permeability barriers removed

Physiology, Nematoda
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Physiology, Nematoda
Weisblat, D. A.; Byerly, L.; and Russell, R. L., 1976, J. Comp. Physiol., A, v. 111 (2), 93-113
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Physiology, Nematoda
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nematodes, nitrogen catabolism and excretory products, osmotic and ionic regulation, excretory structures, review

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Physiology, Protozoa
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Davies, E. E.; and Howells, R. E., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 20 [Demonstration]
Plasmodium berghei berghei oocysts, uptake of ^{3}H-adenosine but not ^{3}H-thymidine

Physiology, Protozoa
Douglass, T. G., 1977, J. Electr. Micr., v. 26 (2), 177 [Abstract]
Selenidioides sp., function of anterior complex of merozoites (conoid, rhoptries, micronemes, subpellicular microtubules) in feeding and other activities, electron microscopy

Physiology, Protozoa
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"there is justification to regard Pneumocystis from rats and man as different species. . . that from humans is designated P. jiroveci n. sp. . . . no significant morphologic differences between the two species are recognized; the separation rests on apparent species specificity and serologic differences.", morphology, physiology and immunology in relation to pathology

Physiology, Protozoa
Frerichs, W. M.; and Holbrook, A. A., 1974, J. Protozool., v. 21 (5), 707-709
Babesia equi, feeding mechanism, organelles involved with ingestion of nutrients (cytostome for taking in hemoglobin and previously undescribed tubule which appears to ingest plasma)

Physiology, Protozoa
Holwill, M. E. J.; and McGregor, J. L., 1976, J. Exper. Biol., London, v. 65 (1), 229-242
effects of varying concentrations of calcium on motility of different preparations of flagella from Crithidia oncopelti (chemically extracted cells, mechanically detached flagella, and cells treated with ionophores known to transport divalent cations across membranes), changes occurred in bend shape, wave direction and frequency, results suggest that wave reversal in living Crithidia is induced by release of calcium ions within the flagellum following stimulation of the membrane, stroboscopic and high-speed cine photographic techniques

Physiology, Protozoa
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pyrimethamine-resistant Plasmodium berghei virulent strains, variations in virulence and biological behavior after cryopreservation

Physiology, Protozoa
Janovy, J., jr.; et al., 1973, J. Protozool., v. 20 (4), 502
Herpetomonas megaseliae, differentiation in culture, morphological and physiological changes

Physiology, Protozoa
Janovy, J., jr.; et al., 1975, Proc. Oklahoma Acad. Sc., v. 55, 130-135
Herpetomonas megaseliae, cytodifferentiation in culture, changes in population composition (promastigotes, paramastigotes, opisthomastigotes), physiological changes (organisms became increasingly cyanide-sensitive, anaerobic stimulation of glucose uptake was doubled, and anaerobic acid production was halved as makeup of culture population shifted), differentiation was postulated to involve metabolic shift from anaerobic to aerobic metabolism

Physiology, Protozoa
Jensen, J. B.; et al., 1976, J. Parasitol., v. 62 (2), 195-198
Eimeria spp., effect of substituting various gases for CO_2 in established excystation procedure, evidence that role of CO_2 is that of allosteric effector enhancing action of reducing agent

Physiology, Protozoa
Jensen, J. B.; and Edgar, S. A., 1976, J. Parasitol., v. 62 (2), 203-206
Eimeria magna sporozoites, penetration into cultured cells, effects of antiphagocytic agents and microtubule inhibitors, results suggest that phagocytosis is not mechanism of entry but that sporozoite motility is of primary importance

Physiology, Protozoa
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Eimeria magna, evidence of secretory function of rhoptries during penetration of cultured cells

Physiology, Protozoa
Jolley, W. R.; et al., 1976, J. Parasitol., v. 62 (2), 199-202
Eimeria stiedai, E. tenella, formation of sulfhydryl groups in walls of oocysts subjected to in vitro excystation, effect of cysteine hydrochloride-CO_2 complex on oocyst wall proteins

Physiology, Protozoa
Kan, S. P., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 1-8
Balantidium isolated from human feces, fine structure study of functional morphology and mode of life

Physiology, Protozoa
Langreth, S. G., 1976, J. Protozool., v. 23 (2), 215-223
Babesia microti vs. Plasmodium lophurae, feeding mechanisms of parasites freed of host erythrocytes, ferritin uptake of in vitro culture system

Physiology, Protozoa
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Trypanosoma brucei, long slender and short stumpy bloodstream forms, culture forms, use of ferritin to study uptake and intracellular movement of protein, and of acid phosphatase to localize digestive activity cytochemically

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Hepatocystis rayi wui, composition of protoplasmic rim and colloidal mass of merocyst, amyloids and nucleic acids, fluorescent microscopy

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Gregarina spp., cytochalasin B (phomin) inhibiting movement, changing cell fine structure and disorganizing fibrillar bundles or myonemes; fine structure of myonemes, skeleton-fibrils and pellicle; elements and mode of movement

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Gregarina blaberae trophozoite, body wall, structural, biochemical, and physiological aspects

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Plasmodium berghei (intraerythrocytic and ultrasonically liberated), effect of osmotic stress on cell ultrastructure and parasite infectivity, comparison with mouse host erythrocytes, results suggest these parasites have osmotic regulatory capacities at least comparable to host cells

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Protozoa, life cyclical changes in physiology

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Trypanosoma brucei, active site of N_1 amino acid transport carrier

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Trypanosoma rhodesiense in mice (exper.), cordycepin-induced cytoplasmic clefts in trypanosomes and resulting changes in fatty acid metabolism, ultrastructural studies

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Fasciola hepatica, 5-hydroxytryptamine and other effectors, effects on adenylate cyclase activity, fluke motility, and endogenous adenosine cyclic 3',5'-monophosphate level; antagonism by LSD of 5-HT effect on adenylate cyclase; possible hormonal role of 5-HT in regulation of neuromuscular activity

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Schistosoma mansoni cercaria, action of salt solutions of various ion composition on swimming activity

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Bennett, C. E., 1975, J. Parasitol., v. 61 (5), 892-898
Fasciola hepatica, scanning electron microscopy during growth and maturation in mouse, changes in pattern of surface spines, nature of tegument around spines, possible functions of spines

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Cryptocotyle lingua cercariae, glandular apparatus, histochemical studies, functional significance, Littorina littorea: White Sea, USSR

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digenetic trematodes, digestive tract, gastrodermis, cytochemistry, surface amplifications, physiology, autophagy, review

Physiology, Trematoda
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Schistosoma mansoni, schistosomules, colchicine and vinblastine treatment, inhibition of feeding, ultrastructural changes in esophageal gland, effects on microtubules and secretion in this area

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Schistosoma mansoni, Diplostomum spathaceum, tegumentary sense organs in miracidia, morphology, possible function in larval orientation with respect to gravity

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Chappell, L. H., 1976, Parasitology, v. 73 (2), xxii [Abstract]
Schistosoma, Fasciola, relative nutritional roles of gut and tegument

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ultrastructure of the esophageal region of the alimentary tract of male Schistosoma mansoni

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Schistosoma mansoni, cercariae, localization and quantitation of calcium in preacetabular glands, in vitro inhibition of protease activity by high levels of calcium, possible function in controlling protease activity in situ

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Ernst, S. C., 1975, J. Parasitol., v. 61 (4), 633-647
Schistosoma mansoni, esophagus, cecum, tegument, digestive-absorptive functions, acid phosphatase activity, electron-dense tracers all ingested but none phagocytized

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Schistosoma mansoni, direct method utilizing suction electrodes for simultaneous recording of electrical activity and motility of adult male worms

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Gentleman, S.; Abrahams, S. L.; and Mansour, T. E., 1976, Molec. Pharm., v. 12 (1), 59-68
Fasciola hepatica, effect of substrates and adenosine cyclic 3',5'-monophosphate concentrations on protein kinase activity; 5-hydroxytryptamine activation of protein kinase; relationship between protein kinase activity and time of incubation with 5-HT; LSD antagonism of 5-HT activation of protein kinase; phosphorylation in fractions of fluke homogenate

Physiology, Trematoda
Halton, D. W., 1976, Parasitology, v. 73 (2), xxi-xxii [Abstract]
Calicotyle kroyeri vs. Diclidophora merlangi, examination of 3 organ systems with respect to nutrition, diet, feeding mechanism (foregut, gut caeca, tegument)

Physiology, Trematoda
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Calicotyle kroeyeri, caecal epithelium, fine structure and histochemistry, single cell type functions in uptake and intracellular digestion of host epidermis and associated mucus

Physiology, Trematoda
Hanna, R., 1977, Parasitology, v. 75 (2), iii [Abstract]
Fasciola hepatica tegument, electron microscope autoradiographic studies on accumulation of tritiated leucine and tritiated galactose suggest at least two distinct synthesis and transport processes operating simultaneously in T1 type tegumentary cells

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Fasciola gigantica, development of in vitro techniques to study the invasive process, conditions necessary for excystment and penetration of mouse gut, maintenance of larvae on spleen cell monolayers

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Octomacrum lanceatum, formation of egg shells, origin of shell precursors, histochemistry

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Higgins, J. C., 1977, Parasitology, v. 75 (2), xx-xxi [Abstract]
Bucephalus haimeanus, nutrient uptake by metacercarial stage, hydrolytic enzymes in cyst wall

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Schistosoma mansoni, nucleotide hydrolysis at tegumental surface, relation between tegumentary phosphohydrolases and purine and pyrimidine transport systems

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Locatelli, A.; and Simonic, T., 1974, Folia Vet. Latina, v. 4 (1), 43-70
Fasciola hepatica, short review of physiology, biochemistry, pathogenicity, immunology, and diagnosis (fecal examination, complement fixation, precipitation, haemagglutination, flocculation, and allergy tests, indirect immunofluorescence)

Physiology, Trematoda
Lyons, K. M., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 181-199
Entobdella soleae, Gyrodactylus sp., Acanthocotyle lobianchi, morphology and possible functions of monogenean sense organs with descriptions of new organs from the head of E. soleae oncomiracidium and from the haptor of adult E. soleae

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Perkatova, V. N., 1975, Dokl. Vsesoiuz. Akad. Sel'skokhoz. Nauk (10), 39-40
Gastrothylax crumenifer, morphology and physiology of tegument, intestine and saccus alimentarius, localization of nonspecific esterase; adaptations to existence among dense papillae of rumen and glandular structure thereof

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Popiel, I., 1976, Norwegian J. Zool., v. 24 (2), 137-141
Cercaria vaullegeardi, redescription; possible functions of caudal cysts and appendages

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Rao, L. N., 1976, Indian J. Exper. Biol., v. 14 (1), 61-63
osmoregulation in trematodes in hypertonic solutions, no osmoregulation in hypotonic solutions, survival in hypertonic environment of host serum, Rana tigrina

Physiology, Trematoda
Rohde, K., 1965, Med. J. Malaya, v. 20 (1), 55
types and functions of cells in pharynx of Polystomoides malayi

Physiology, Trematoda
Uglem, G. L.; and Read, C. P., 1975, J. Parasitol., v. 61 (3), 390-397
Schistosoma mansoni, adults, mechanisms of sugar transport and metabolism, differences in males, females, and pairs

Physiology, Trematoda
Wilson, R. A.; and Barnes, P. E., 1977, Parasitology, v. 74 (1), 61-71
Schistosoma mansoni tegument, formation and turnover of membranocalyx, possible significance in evasion of immune response

Physiopathology. See Pathology; Physiology, Host.

Pigmentation. See Pigments.

Pigments. [See also Hemoglobin]

Pigments
Agosin, M.; et al., 1976, Internat. J. Biochem., v. 7 (11), 585-593
Trypanosoma cruzi culture form, spectral characterization of microsomal and other hemoproteins, results suggest that cytochrome-P-450-linked monooxygenase system may be responsible for resistance of this parasite to antimicrobial drugs

Pigments
Ansari, M. Z.; and Singh, K. S., 1974, Indian J. Animal Sc., v. 43 (5), 1973, 438-446
Opisthorchis noverca, dogs, histochemical changes in liver

Pigments
Arora, R. G.; and Iyer, P. K. R., 1974, Indian J. Animal Sc., v. 43 (8), 1973, 720-723
Fasciola gigantica, sheep, goats, gross and histological study of lesions in liver during early and advanced stages of infection; presence of iron pigment in macrophages and Kupffer's cells, and egg granulomas in hepatic parenchyma: slaughterhouses, Izatnagar (Uttar Pradesh)

Pigments
Baker, K. P., 1975, Vet. Parasitol., v. 1 (2), 193-197
Demodex folliculorum, dogs, occasional development of hyperpigmentation of the skin, increased melanocyte activity in epidermis, adrenal cortical malfunction as possible cause

Pigments
Beresky, M. A.; and Hall, D. W., 1977, J. Invert. Path., v. 29 (1), 74-80
Neoaplectana carpocapsae-infected Aedes aegypti larvae, phenylthiourea treatment reduced nematode encapsulation and melanization and mosquito mortality, possible explanations

Pigments
Bobiatynska-Ksok, E.; and Czerpak, R., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 121-125
Echinostoma revolutum rediae and Opisthioglyphe ranae sporocysts in hepatopancreas of Radix auricularia, carotenoids in flukes, bilirubin and glaucobilin type bile pigments and carotenoids in host hepatopancreas, possible relationships; no essential differences in pigments of infected and non-infected hosts

Pigments
Cain, G. D., 1976, Exper. Parasitol., v. 40 (1), 112-115
Ascaris lumbricoides gut, muscles, and eggs, coproporphyrinogen oxidase activity, results suggest that porphyrin synthesis may be maintained at low levels due to continual feedback inhibition by protoheme

Pigments
Cain, G. D.; and Bassow, F., 1976, Internat. J. Parasitol., v. 6 (1), 79-82
Ascaris lumbricoides, porphyrins in perienteric fluid

Pigments
Czeczuga, B., 1976, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 23 (12), 829-832
Taenia saginata, astaxanthin ester, dominating carotenoid (5 other carotenoids identified), column and thin-layer chromatography

Pigments
Denner, M. W., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 406 [Abstract]
Mermis nigrescens, oviposition may occur in absence or presence of sunlight, presence of haemoglobin may not act as chromotropic stimulus for egg laying

Pigments
Eckman, J. R.; et al., 1977, J. Lab. and Clin. Med., v. 90 (4), 767-770
Plasmodium berghei in chloroquine-resistant and chloroquine-sensitive mice (exper.), studies confirm that malaria pigment is composed of precipitated host cell hemoglobin and suggest that drug resistance is accompanied by basic alteration in parasite-mediated hemoglobin catabolism

Pigments
Einheber, A.; Palmer, D. M.; and Aikawa, M., 1976, Exper. Parasitol., v. 40 (1), 52-61
Plasmodium berghei, chloroquine-induced pigment clumping, inhibition and reversal by quinine, WR 33,063, WR 171,669, WR 30,090, and WR 142,490, possible application in assay for oral bioavailability of such candidate antimalarials

Pigments
Eldefrawi, E. A.; Mohasseb, Z. S.; and El-Zalaki, E. M., 1975, Alexandria J. Agric. Research, v. 23 (2), 239-242
Fasciola gigantica, lambs, type of ration influences rate of myoglobin oxidation, reduced rate of oxidation in infected lambs, meat quality

Pigments
Gabrion, C.; Plateaux, L.; and Quentin, C., 1976, Ann. Parasitol., v. 51 (4), 407-420
Anomotaenia brevis cysticercoids in Leptothorax nylanderi, mechanism of infection, localization, structure by light and electron microscopy, modifications in parasitized hosts (morphology and pigmentation; behavior and physiology; partial parasitic castration), changes may render more susceptible to ingestion by final hosts (birds)

Pigments
Grimaud, J. A.; Borojevic, R.; and dos Santos, H. A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 73-77
Schistosoma mansoni, schistosomal pigment in human and murine infections, possible participation in pathogenesis

Pigments
Haider, S. A.; and Siddiqi, A. H., 1976, J. Helminth., v. 50 (4), 259-265
Gastrothylax crumenifer, Srivastavaia indica, Gigantocotyle explanatum from Bubalus bubalis; Fasciolopsis buski, Gastrodiscoides hominis from Sus scrofa; Isoparorchis hypselobagri from Wallago attu: trematode hemoglobin compared with host hemoglobin, spectrophotometric analysis

Pigments
Halton, D. W., 1976, Exper. Parasitol., v. 40 (1), 41-47
Diclidophora merlangi gut, sloughing of hematin cells occurs only rarely, any renewal of hematin cells takes place at a very low rate

Pigments
Heywood, P.; Weinman, D.; and Lipman, M., 1974, J. Protozool., v. 21 (2), 232-238
Trypanosoma cyclops maintained in blood agar medium, ultrastructure, structure of pigment bodies, compared with T. cyclops grown in hemoglobin-free medium and a non-pigmented Trypanosoma sp.

Pigments
Homewood, C. A.; et al., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 283-287
Plasmodium berghei, purification and some properties of malarial pigment

Pigments
Homewood, C. A.; and Atkinson, E. M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 26-27 [Demonstration]
P[lasmodium] berghei: carbohydrate metabolism; dependence of chloroquine-induced pigment clumping on composition of culture medium

Pigments
Khan, Z. I.; and De Rycke, P. H., 1976, Ztschr. Parasitenk., v. 49 (3), 253-261
Hymenolepis microstoma in vitro, effect of haemoglobin, hemin and bilirubin on strobilization and maturation

Pigments
Lehane, M. J.; and Laurence, B. R., 1977, Parasitology, v. 74 (1), 87-92
Brugia pahangi, susceptible and refractory mosquitoes, flight muscle ultrastructure, changes during parasite melanization in 'resistant' Anopheles labranchiae atroparvus, comparison with lack of change in 'susceptible' Aedes togoi and 'resistant' Aedes aegypti, decrease of glycogen in all 3 spp.

Pigments
MacCallum, D. K., 1969, J. Reticuloendothel. Soc., v. 6 (3), 232-252
Plasmodium berghei-infected Mesocricetus auratus, sequential changes demonstrated by hepatic system of macrophages during acute infection and after treatment, evidence indicates that macrophages containing endogenous pigment formed by disease process react in identical fashion to macrophages containing exogenous particulate matter (carbon)

Pigments
MacCallum, D. K., 1969, J. Reticuloendothel. Soc., v. 6 (3), 253-270
Plasmodium berghei-infected Mesocricetus auratus, macrophage interactions with pulmonary vasculature during acute infection and after drug therapy

Pigments
Meyer, H.; and de Souza, W., 1973, J. Protozool., v. 20 (5), 590-593
Trypanosoma cruzi cultured in pigment epithelial cells of iris from chick embryo, fine structure, observations suggest uptake of melanin granules through cytostomes by process of intracellular phagotrophy

Pigments
Moore, G. A.; and Boothroyd, B., 1974, Ann. Trop. Med. and Parasitol., v. 68 (4), 489
Plasmodium berghei, direct resolution of lattice planes of malarial pigment, results imply pigment is synthesized as excretory product and is not merely residue of haemoglobin digestion

Pigments
Moore, G. A.; and Homewood, C. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 10-11 [Demonstration]
differentiation between malarial and schistosomal pigment

Pigments
Moore, G. A.; Homewood, C. A.; and Gilles, H. M., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 373-374
Schistosoma mansoni, Plasmodium berghei, comparison of structures of pigment

Pigments
Muzzall, P. M.; and Rabalais, F. C., 1975, Proc. Helminth. Soc. Washington, v. 42 (1), 35-38
Acanthocephalus jacksoni cystacanths, sex, position, and orientation in Lirceus lineatus, host pigmentation, sex, size, and gut content, possible sterility in host females; precocious development and marked sexual dimorphism in cystacanths: Jackson Cutoff

Pigments
Pojmanska, T., 1969, Acta Parasitol. Polon., v. 16 (20-27), 1968-1969, 153-175
Leucochloridium perturbatum, sporocyst pigmentation, variability, life cycle

Pigments
Ruff, M. D.; and Britton, W. M., 1976, Poultry Science, v. 55 (5), 1712-1716
Eimeria acervulina, E. tenella, white Leghorn hens, severe infection, lower egg production, reduced yolk color

Pigments
Ruff, M. D.; Reid, W. M.; and Rahn, A. P., 1976, Am. J. Vet. Research, v. 37 (8), 963-967
coccidiosis in broilers, different levels of monensin, body weight gain, feed conversion, lesion score, mortality, skin and blood pigmentation

Pigments
Vashchenok, V. S., 1975, Entom. Obozr., v. 54 (2), 352-354
Xenopsylla cheopis, formation, structure, and pigmentation of corpora lutea, suggested that these cells fulfill a secretory function

Pigments
Warhurst, D. C., 1973, J. Protozool., v. 20 (4), 529
Plasmodium berghei N67, P. berghei yoelii 17X, pigmented strains naturally resistant to chloroquine, surprisingly shown to possess high-affinity chloroquine receptors present in sensitive strains, presence of receptors apparently linked with production of haemozoin which will itself concentrate chloroquine, suggested that chloroquine interferes with sequestration of haemin as haemozoin

Pigments
Warhurst, D. C.; Homewood, C. A.; and Baggaley, V. C., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 265-281
Plasmodium berghei, erythrocytic forms in vitro, technique for study of autophagic vacuole formation (pigment clumping), effect of chloroquine alone or with various cytotoxic drugs

Pigments
Weinman, D., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 87 [Demonstration]
Malaysian primate trypanosomes, isolation of intra-cytoplasmic pigment with haemoglobin apparently a necessary precursor

Pigments
Wyatt, R. D.; Ruff, M. D.; and Page, R. K., 1975, Avian Dis., v. 19 (4), 730-740
chicks, interaction of aflatoxin with Eimeria tenella infection and monensin: E. tenella and aflatoxin in combination significantly increased mortality and weight depression, and caused more severely reduced hemoglobin, packed cell volume, and plasma pigmentation; monensin sodium did not completely prevent mortality and weight depression in a mixed infection; coccidial lesion scores were less for combination of E. tenella and aflatoxicosis than for coccidiosis alone

Pinocytosis. [See also Endocytosis; Feeding; Phagocytosis]

Pinocytosis
Antukhaev, I. K., 1977, Tsitologiia, v. 19 (3), 288-292
Eimeria kotlani, ultrastructure of macrogamete; development within host cell nucleus; structure of wall forming bodies; nutrition presumably by pinocytosis

Pinocytosis
Threadgold, L. T.; and Hopkins, C. A., 1977, Parasitology, v. 75 (2), xix [Abstract]
Schistocephalus solidus plerocercoid, ultrastructural and experimental studies of uptake of macromolecules and ions demonstrate occurrence of pinocytosis

Pinocytosis
Vickerman, K., 1977, J. Protozool., v. 24 (2), 221-233
Cryptobia vaginalis, light and electron microscopic morphology, kinetoplast DNA dispersed throughout single mitochondrion, feeding by pinocytosis through cytopharynx, bacterial symbiotes

Pinocytosis
Weidner, E., 1975, Ztschr. Parasitenk., v. 47 (1), 1-9
Encephalitozoon cuniculi, parasitophorous vacuoles within host peritoneal macrophages, growth by pinocytotic mechanism, movement of substances across vacuole boundary, absence of lysosomal fusion, electron microscopy

Plasma proteins. See Proteins, Blood.

Pleomorphism. See Polymorphism.

Pleura
al-Ibrahim, M. S.; and Holzman, R. S., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 910-912
Plasmodium falciparum, bilateral pleural effusion, man, case report: New York (recently returned from Surinam)

Pleura
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human primary pleuroparietal echinococcosis, clinical aspects, case report: Sevilla, Espana

Pleura
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cow, parasitic pleural-pulmonary miliary nodules, pathology, unknown etiology: Italy

Pleura
Worms, M. J.; and McLaren, D. J., 1977, Parasitology, v. 75 (2), xxxvii [Abstract]
Litomosoides carinii in Meriones spp., pathogenesis, local response of tissues with special reference to pleural surface

Pneumonia. [See also Lung]

Pneumonia
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Pneumocystis carinii in patients after renal transplantations, necropsy assessment of significance of Pneumocystis in pulmonary disease of transplant recipients: Sydney, Australia

Pneumonia
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Pneumocystis carinii pneumonia in 5-month-old infant, complication of Hodgkin's disease and thymic alymphoplasia, fatal illness, clinical case report: Minnesota

Pneumonia
Brandao, I. A.; Chammas, F.; and de Brito, T., 1967, Maternidade e Infancia, v. 26 (4), 391-394
Pneumocystis carinii, acute interstitial plasma cell pneumonia in children, clinical, radiological and pathological aspects of 77 cases

Pneumonia
Burke, B. A.; and Good, R. A., 1973, Medicine, Baltimore, v. 52 (1), 23-51
review of case histories and pathologic findings in 46 patients with Pneumocystis carinii infections, comparison of mode of clinical onset, methods of diagnosis, response to therapy and known immunologic features, extensive literature review, morphologic description of organism

Pneumonia
Burns, W. A.; McFarland, W.; and Matthews, M. J., 1971, Med. Ann. Dist. Columbia, v. 40 (9), 567-572
terminal superimposed Pneumocystis carinii pneumonia in patient treated with busulfan for chronic myelogenous leukemia, case report

Pneumonia
Castellino, R. A., 1976, National Cancer Inst. Monograph (43), 137-140
Pneumocystis carinii, percutaneous pulmonary needle aspiration diagnosis of human pneumonia

Pneumonia
Chatterjee, A.; Das, S. K.; and Bhattacharyya, H. M., 1975, Indian J. Animal Health, v. 14 (2), 167-168
Metastrongylus apri, M. salmi, giant cell pneumonia, histopathology, pigs

Pneumonia
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Pneumocystis carinii interstitial plasma cell pneumonia in infants, clinical features, case reports, pentamidine

Pneumonia
Damia Garcia, A.; et al., 1973, Med. Espan. (416), an. 36, v. 70, 282-285
case report of rupture of pulmonary hydatid cyst resulting from severe coughing seizure with evacuation of cyst by vomiting, complicated by aspiration pneumonia and pneumothorax, clinical management

Pneumonia
DeVita, V. T., jr.; et al., 1976, National Cancer Inst. Monograph (43), 41-47
Pneumocystis carinii pneumonia in patients with cancer, differential diagnosis, clinical aspects, pentamidine isethionate

Pneumonia
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Pneumocystis carinii pneumonia in humans, atypical radiographic features

Pneumonia
Dutz, W.; et al., 1976, National Cancer Inst. Monograph (43), 31-40
Pneumocystis carinii interstitial plasma cell pneumonia in premature infants whose passive immunity due to maternally transferred antibodies has lost its effectiveness before infant's humoral immune systems have reached maturity, statistical observations from Shiraz Orphanage in Shiraz, Iran

Pneumonia
Feigin, R. D.; et al., 1971, Pediatrics, Am. Acad. Pediat., v. 47 (11), 143-147
Pneumocystis carinii pneumonia in 7-month-old, cause of death of child with agammaglobulinemia and thymic dysplasia associated with ectodermal dysplasia, clinical case report: St. Louis, Missouri

Pneumonia
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Pneumocystis carinii, evaluation of respiratory systems of children with past history of Pneumocystis pneumonia shows no lasting residual damage

Pneumonia
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Pneumocystis carinii pneumonia, complication of macroglobulinemia and cytomegalic inclusion disease, man, fatal illness

Pneumonia
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Toxocara canis, infected white mice, electrocardiographic changes related to microascaridic pneumonia and localization of larva in myocardium, verified histologically

Pneumonia
Freeman, A. I.; et al., 1975, Med. and Pediat. Oncol., v. 1 (2), 167-173
few cases of interstitial pneumonia in children with acute leukemia have Pneumocystis carinii as etiologic agent

Pneumonia
Frenkel, J. K., 1976, National Cancer Inst. Monograph (43), 13-30
"there is justification to regard Pneumocystis from rats and man as different species. . . that from humans is designated P. jiroveci n. sp. . . . no significant morphologic differences between the two species are recognized; the separation rests on apparent species specificity and serologic differences.", morphology, physiology and immunology in relation to pathology

Pneumonia
Gaal, T., 1976, Magy. Allat. Lapja, v. 98, v. 31 (1), 63-65
toxoplasmosis, dogs, incidence, clinical aspects, severe bronchopneumonia, diagnosis by symptoms or post mortem examination

Pneumonia
Garre, M.; et al., 1975, Nouv. Presse Med., v. 4 (6), 393-394
Pneumocystis carinii pneumonia in immunologically compromised patient with renal transplant, early diagnosis using distal bronchial brushings

Pneumonia
Geelhoed, G. W., 1976, National Cancer Inst. Monograph (43), 141-147
Pneumocystis carinii, open lung biopsy in the diagnosis of human pneumonia

Pneumonia
Geelhoed, G. W., 1976, National Cancer Inst. Monograph (43), 187-191
Pneumocystis carinii pneumonia in humans, pulmonary and extrapulmonary support therapy, clinical aspects

Pneumonia
Giebink, G. S.; et al., 1976, Pediatrics, Am. Acad. Pediat., v. 58 (1), 115-118
pneumonia unresponsive to antibiotics in 2 Vietnamese infant immigrants, Pneumocystis carinii diagnosed by lung biopsy, case reports, probable immune deficiencies, treated with pentamidine isethionate

Pneumonia
Goebel, D., 1976, Med. Welt., v. 27 (32), 1493-1495
Pneumocystis carinii interstitial plasma cell pneumonia in adult humans, clinical management

Pneumonia
Green, G. I.; et al., 1974, Med. Ann. Dist. Columbia, v. 43 (3), 124-128
Pneumocystis carinii pneumonia, complication in leukemic patient with severe busulfan-induced pulmonary fibrosis and cytomegalovirus infection, case report

Pneumonia
Hallett, J. J.; Fickenscher, L. G.; and Ablin, A. R., 1977, West. J. Med., San Francisco, v. 126 (6), 441-444
Pneumocystis carinii pneumonia in children, secondary complication of immunosuppressive therapy, factors to aid in early diagnosis by lung biopsy (open thoracotomy), pentamidine, case reports, clinical aspects: California

Pneumonia
Henderson, D. W.; et al., 1974, Pathology, v. 6 (3), 235-241
Pneumocystis carinii pneumonia in elderly woman with extensive vascular and lymph nodal involvement, clinical case report: South Australia

Pneumonia
Hisano, S.; et al., 1973, Nippon Kyobu Shikkan Gakkai Zasshi (Japan. J. Thorac. Diseases), v. 11 (2), 79-89
Pneumocystis carinii, pathologic findings of 11 autopsies of persons with pneumocystic pneumonia associated with malignancies and steroid treatment, fine structure morphology of parasite: Japan

Pneumonia
Hughes, W. T.; Sanyal, S. K.; and Price, R. A., 1976, National Cancer Inst. Monograph (43), 77-88
Pneumocystis carinii pneumonia in humans, differential diagnosis, clinical manifestations, pathophysiology of infection, close association with protein-calorie deprivations

Pneumonia
Ivady, G., 1976, Monatschr. Kinderh., v. 124 (7), 577-581
Pneumocystis carinii pneumonia, differentiation into type affecting premature infants and type affecting immunodeficient adults and children, prophylaxis and treatment with pentamidine, pyrimethamine, sulfamethazole

Pneumonia
Jehn, U.; et al., 1976, Med. Welt., v. 27 (32), 1489-1492
Pneumocystis carinii pneumonia in man suffering from lymphogranulomatosis resulting in immune deficiency, case report, clinical management: Germany

Pneumonia
Kagan, I. G.; and Norman, L. G., 1976, National Cancer Inst. Monograph (43), 121-125
Pneumocystis carinii pneumonia in humans, evaluation of serologic tests with comparison of results of immunodiffusion, immunofluorescence, complement fixation and double diffusion tests, lower level of measurable antibody in American sera in comparison to that from European laboratories

Pneumonia
Kirton, A. H.; et al., 1976, N. Zealand Vet. J., v. 24 (4), 59-64
Dictyocaulus sp., lambs, seasonal incidence of enzootic pneumonia, effect on growth, little economic significance in present flock

Pneumonia
Kumar, V.; et al., 1975, J. Helminth., v. 49 (4), 289-292
Nasitrema attenuata, aspiration of trematode eggs as a possible cause of chronic pulmonary lesions; description of adult in Tursiops truncatus: Zoological Garden, Antwerp

Pneumonia
Kummeneje, K., 1977, Acta Vet. Scand., v. 18 (1), 86-90
Dictyocaulus viviparus, reindeer, verminous bronchopneumonia, pathology; endemic with healthy carriers; infestation probably on pasture in summer or fall, but clinical disease in spring, probable inhibited larval development in winter: Finnmark, northern Norway

Pneumonia
Lau, W. K.; and Young, L. S., 1976, N. England J. Med., v. 295 (13), 716-718
Pneumocystis carinii pneumonia in adults on immunosuppressive therapy successfully treated with co-trimoxazole; results comparable to those reported for pentamidine

Pneumonia
Lau, W. K.; Young, L. S.; and Remington, J. S., 1976, J. Am. Med. Ass., v. 236 (21), 2399-2402
Pneumocystis carinii, human pneumonia, diagnosis by examination of pulmonary secretions, co-trimoxazole or pentamidine alone or with sulfadiazine-pyrimethamine: California

Pneumonia
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Ascaris suum, pigs, relationship to prevalence of infectious pneumonia caused by bacteria, more severe lesions with both present

Pneumonia
Leguia, G., 1972, Rev. Invest. Pecuarias, v. 1 (2), 233-234
Muellerius capillaris, verminous pneumonia, case report, Corriedale sheep: Huancayo

Pneumonia
Luddy, R. E.; Champion, L. A. A.; and Schwartz, A. D., 1977, Am. J. Dis. Child., v. 131 (4), 470
Pneumocystis carinii in 8-year-old girl, Pneumocystis pneumonia complicated by multiple large pneumatoceles, clinical case report: Baltimore, Maryland

Pneumonia
Marczynska-Robowska, M.; et al., 1977, Pediat. Polska, v. 52 (5), 565-568
Pneumocystis carinii pneumonia in infant, complications of congenital heart defect and chickenpox infection, clinical case report: Warsaw, Poland

Pneumonia
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electronmicroscopic and clinicopathologic features of pneumonia and encephalitis caused by Acanthamoeba castellanii and Acanthamoeba polyphaga in exper. mice, comparisons with infections caused by Naegleria

Pneumonia
Michalak, T.; and Slusarczyk, J., 1976, Pediat. Polska, v. 51 (3), 241-245
Pneumocystis carinii autoantibodies to smooth muscles in children with Pneumocystis pneumonia, possible stimulation of these autoantibodies by actomyosin-like antigens released from pneumocysts or respiratory tract cells during process of development of immune complexes

Pneumonia
Mitra, P.; et al., 1976, Med. and Surg., Bombay, v. 16 (7), 28-29
case reports of Plasmodium falciparum in 2 young boys, clinical symptoms of cerebral malaria and bronchopneumonia, medical management: India

Pneumonia
Mojon, M., 1973, Medecine et Malad. Infect., v. 3 (5), 225-230
human Pneumocystis carinii pneumonia, review of current diagnostic techniques and need for improved methods

Pneumonia
Monteiro, B.; and Deroeck, E., 1975, Medecine Afrique Noire, v. 22 (8-9), 601-602
woman, amoebic pleuro-pneumonia, case report: Kinshasa, Zaire

Pneumonia
Moore, D. L.; et al., 1969, Mayo Clin. Proc., v. 44 (3), 162-168
Pneumocystis carinii, interstitial pneumonia in children with acute leukemia, case reports, pentamidine and hydroxystilbamidine

Pneumonia
Mreiden, T.; et al., 1976, J. Am. Med. Ass., v. 236 (21), 2392-2393
Pneumocystis carinii, human pneumonia, diagnosis, organism in sputum

Pneumonia
Neiman, P. E.; et al., 1977, J. Infect. Dis., v. 136 (6), 754-767
Pneumocystis carinii, organism responsible for transient or fatal interstitial pneumonia in immunosuppressed recipients of allogeneic bone marrow grafts

Pneumonia
O'Loughlin, J. M., 1975, Med. Clin. North Am., v. 59 (2), 495-501
Pneumocystis carinii pneumonia, potentially lethal agent in persons receiving immunotherapy, need for early diagnosis, brief clinical review

Pneumonia
Paldy, L.; and Ivady, G., 1976, National Cancer Inst. Monograph (43), 99-119
Pneumocystis carinii interstitial plasma cell pneumonia in infancy, six diagnostic radiographic stages identified, differentiation from other interstitial infiltrative processes of lung

Pneumonia
Paul, I.; et al., 1975, Lucrar. Stiint. Inst. Agron. I. Ionescu Brad Iasi, II. Zootehn., Med. Vet., 71-72
Protostrongylus, Muellerius, Cystocaulus, bronchopneumonia, adult sheep, morphopathology, result of association of several species

Pneumonia
Pavesio, D.; et al., 1971, Minerva Pediat., v. 23 (39), 1622-1625
Pneumocystis carinii, human interstitial plasma cell pneumonia, radiologic and pathologic findings

Pneumonia
Preston, K. S.; and Switzer, W. P., 1976, Vet. Microbiol., v. 1 (1), 15-18
failure of Metastrongylus spp.-infected earthworms to transmit mycoplasmal pneumonia to swine; failure of Metastrongylus to produce antibody titers against mycoplasma pneumonia or to produce pneumonic lesions

Pneumonia
Repsher, L. H.; et al., 1976, National Cancer Inst. Monograph (43), 127-132
Pneumocystis carinii, diagnosis in immunocompromised host by transbronchial lung biopsy via the fiberoptic bronchoscope, procedure offers diagnostic accuracy

Pneumonia
Repsher, L. H.; Schroeter, G.; and Hammond, W. S., 1972, N. England J. Med., v. 287 (7), 340-341
Pneumocystis carinii pneumonitis in humans with iatrogenic immune deficiency states, diagnosis by endobronchial brush biopsy

Pneumonia
Rifkind, D., 1976, National Cancer Inst. Monograph (43), 49-54
Pneumocystis carinii pneumonia in renal transplant patients on immunosuppressive therapy, clinical management with isolation procedures to prevent transmission, differential diagnosis, pentamidine isethionate

Pneumonia
Rottembourg, J.; et al., 1977, Nouv. Presse Med., v. 6 (10), 819-823
Pneumocystis carinii pneumonia in immunocompromised patient after cardiac transplantation, diagnosis by pulmonary biopsy, treatment with pentamidine, fansidar: France

Pneumonia
Sanyal, S. K.; et al., 1977, Am. Rev. Resp. Dis., v. 115 (4, pt. 2), 290 [Abstract]
Pneumocystis carinii, prospective longitudinal study shows no permanent compromise of pulmonary function status in children who survive Pneumocystis pneumonitis

Pneumonia
Sanyal, S. K.; et al., 1977, Am. Rev. Resp. Dis., v. 116 (2), 223-231
Pneumocystis carinii pneumonia in immunosuppressed persons, management of severe respiratory insufficiency using continuous negative-pressure ventilation

Pneumonia
Seibold, H. R.; and Munnell, J. F., 1977, Vet. Path., v. 14 (1), 89-91
Pneumocystis carinii, pig (lung), bronchopneumonia

Pneumonia
Seigel, R.; and Wolson, A. H., 1977, Am. J. Roentgenol., v. 128 (1), 150-152
Pneumocystis carinii pneumonia, radiographic diagnosis of chronic infection, case report of unusual chronicity and cavitation demonstrating need to consider P. carinii in persons with immunologic and pulmonary parenchymal disease

Pneumonia
Shiozawa, M.; et al., 1975, Bull. Nippon Vet. and Zootech. Coll. (24), 76-86
Protostrongylus shiozawai in the Japanese serow, histopathology of verminous pneumonia

Pneumonia
Sinios, A., 1972, Monatschr. Kinderh., v. 120 (9), 378-381
Ascaris lumbricoides causing interstitial eosinophilic pertussis-like pneumonia in newborn, diagnosis by direct and indirect precipitation reaction after emesis of adult Ascaris by mother

Pneumonia
Sizoo, W.; and Wolvius, G. G., 1976, Nederl. Tijdschr. Geneesk., v. 120 (10), 418-424
Pneumocystis carinii pneumonia in persons being treated with cytostatic agents because of malignant disease, clinical aspects, case reviews: Netherlands

Pneumonia
Starzl, T.; et al., 1973, N. England J. Med., v. 289 (2), 82-84
Pneumocystis carinii, interstitial plasma cell pneumonia contributing factor in death of child who had undergone liver transplant 3 years previously and who was subsequently treated with immunosuppressive drugs: Denver

Pneumonia
Theologides, A.; Pflueger, O. H., jr.; and Kennedy, B. J., 1969, Minnesota Med., v. 52 (5), 737-741
Pneumocystis carinii pneumonitis and Toxoplasma gondii of brain and myocardium in man being treated with steroids for chronic leukemia, case report: Minnesota

Pneumonia
Toth, G.; Paldy, L.; and Streitman, K., 1974, Orvosi Hetilap, v. 115 (3), 149-151
Pneumocystis carinii, human interstitial plasma cell pneumonia, inadequate sterilization of water in oxygen vaporizers as cause of disease spread in hospital settings: Hungary

Pneumonia
Waalkes, T. P.; and Makulu, D. R., 1976, National Cancer Inst. Monograph (43), 171-177
Pneumocystis carinii pneumonia in humans, pharmacologic aspects of pentamidine, possible serious renal toxicity in immunodepressed patients, probable inhibition of dihydrofolate reductase in all tissues

Pneumonia
Walzer, P. D.; et al., 1976, National Cancer Inst. Monograph (43), 55-63
Pneumocystis carinii pneumonia, analysis of 194 confirmed cases in United States over 3-year period, diagnosis by biopsy or needle aspiration of lung, pentamidine therapy effective but frequently caused impaired renal function when given in conjunction with nephrotoxic agents, occurrence almost exclusively in immunosuppressed host with serious underlying disease

Pneumonia
Weber, W. R.; Askin, F. B.; and Dehner, L. P., 1977, Am. J. Clin. Path., v. 67 (1), 11-19
Pneumocystis carinii pneumonia in humans, histopathology of typical and atypical features found on lung biopsy, importance of differential diagnosis especially in immunologically compromised patients

Pneumonia
Weinberg, A. G.; et al., 1973, Pediatrics, Am. Acad. Pediat., v. 51 (3), 518-524
Pneumocystis carinii pneumonia in infant complicating monoclonal macroglobulinemia and cytomegalic inclusion disease, report of necropsy findings: Dallas, Texas

Pneumonia
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Pneumocystis carinii pneumonia, successful pyrimethamine-sulfadiazine therapy in infants with X-linked immunodeficiency with hyper-IgM

Pneumonia
Wolff, L. J.; et al., 1977, Pediatrics, Am. Acad. Pediat., v. 60 (1), 41-45
Pneumocystis carinii as cause of interstitial pneumonia in immunocompromised children, diagnosis by open lung biopsy, statistics of clinical cases

Pneumothorax
Rawlings, C. A.; and Splitter, G. A., 1973, Lab. Animal Sc., v. 23 (2), 259-261
Pneumonyssus simicola in Macaca mulatta causing multiple bronchopleural fistulas and resultant tension pneumothorax, Oesophagostomum contributing to chronic debilitating condition, fatal outcome, case report

Poland
Bezubik, B.; Stankiewicz, M.; and Baginska, G., 1969, Acta Parasitol. Polon., v. 17 (1-19), 25-37
sheep helminth survey: vicinity of Nowy Targ, Carpathian Mountains

Poland
Lipa, J. J., 1967, Acta Protozool., v. 5 (8), 97-179
gregarines of arthropods in Poland, host specificity, geographic distribution, host and parasite records

Poland
Perłowska, R., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 27-32
helminths of fishes, 1963-1964: Zegrzynski Reservoir

Poland
Wojtynska, H.; Jozwiak, A.; and Worowska-Rogowska, J., 1975, Polski Tygod. Lekar., v. 30 (23), 995-996
incidence of intestinal parasites in children and staff of State Home for Children, attempted eradication unsuccessful: Warsaw (Lamblia intestinalis; Hymenolepis nana; Trichuris trichiura; Enterobius vermicularis; Ascaris lumbricoides)

Polymorphism. [See also Dimorphism; Morphology; Variation]

Polymorphism
Allen, D. J.; and Didio, L. J. A., 1976, Ohio J. Sc., v. 76 (4), 167-171
Hartmannella culbertsoni, morphology and pleomorphism during active growth, scanning electron microscopy

Polymorphism
Barry, J. D.; and Vickerman, K., 1977, J. Protozool., v. 24 (4), 42A [Abstract]
Trypanosoma brucei, short stumpy forms (SSF) of a particular parasitaemic peak are of same variable antigen type as their long slender predecessors, SSF appear more resistant to host antibodies possibly as a result of binding host serum components

Polymorphism
Birova, V.; and Macko, J. K., 1976, Biologia, Bratislava, s. B, Zool. (3), v. 31 (8), 583-593
Heterakis gallinarum, short-, shortened-, and normal-tailed forms, survival and viability of descendants in three consecutive generations

Polymorphism
Boehringer, S.; and Hecker, H., 1974, J. Protozool., v. 21 (5), 694-698
Trypanosoma brucei brucei, T. b. rhodesiense, pleomorphic strains, quantitative differences in organelle composition during transformation from slender to stumpy blood forms, compared with monomorphic T. b. brucei

Polymorphism
Bondarenko, S. K.; and Kontrimavichus, V. L., 1976, Dokl. Akad. Nauk SSSR, v. 230 (2), 489-491
Wardium, polymorphism among species of cysticercoids, variety of systematic position of intermediate hosts (oligochaetes, crustaceans), possible phylogenetic significance

Polymorphism
Daskalov, P., 1972, Izvest. Tsentral. Khelmint. Lab., v. 15, 49-56
Haemonchus contortus, morphological variation of linguiform females, cuticular inflations develop with increasing worm age but depend on worm reproductive activity rather than directly on age, occurrence of various forms of linguiform females does not depend on season, cuticular inflations should not be used as taxonomic characters since they are nonhereditary morphological variations

Polymorphism
Daskalov, P., 1974, Izvest. Tsentral. Khelmint. Lab., v. 17, 51-57
Haemonchus contortus, genetic studies of female polymorphism

Polymorphism
Daskalov, P., 1974, Izvest. Tsentral. Khelmint. Lab., v. 17, 59-72
Ostertagia circumcincta, O. trifurcata, Teladorsagia davtiani, males crossed with different morphological types of female Ostertagia, no reproductive barriers between them, proposed that they be considered the Ostertagia circumcincta complex

Polymorphism
Daskalov, P.; Komandarev, S.; and Mikhov, L., 1972, Izvest. Tsentr. Khelmint. Lab., v. 15, 57-67
Haemonchus contortus, males and three morphological types of females, comparison of protein fractions by disc electrophoresis in polyacrylamide gel, differences found between sexes but none between types of females

Polymorphism
Daskalov, P.; and Mutafova, T., 1972, Izvest. Tsentral. Khelmint. Lab., v. 15, 69-80
Haemonchus contortus, effect of ultraviolet and gamma rays and refrigeration on infective larvae of different morphological types of females

Polymorphism
Fernando, M. A.; and Dissanaike, A. S., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 25-32
Plasmodium gallinaceum and P. juxtanucleare, developmental and morphologic comparisons, pleomorphism of gametocytes and erythrocytic schizonts of P. gallinaceum

Polymorphism
Hawking, F., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 504-512
Trypanosoma brucei, T. rhodesiense, T. equiperdum, polymorphic strains, sensitivity to human plasma, composition and detailed analysis of typical strains using α_2-macroglobulin test

Polymorphism
Hawking, F., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 513-520
Trypanosoma gambiense, T. rhodesiense, T. brucei, 60 polymorphic strains from East and West Africa, in vivo test of sensitivity or resistance to human plasma, application to infectivity for man

Polymorphism
Howells, R. E.; and Chiari, C. A., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 435-448
Trypanosoma cruzi, 2 strains, investigation of differences between slender and stout trypomastigotes, infectivity of different forms to mice, relationship between inoculum size, length of pre-patent period, and course of parasitemia, influence of whole-body X-irradiation and splenectomy of host on course of infection

Polymorphism
Le Jambre, L. F., 1977, Internat. J. Parasitol., v. 7 (1), 9-14
Haemonchus contortus cayugensis females, genetics of vulvar morph types, dominance hierarchy found to be linguiform > knobbed > smooth

Polymorphism
Le Jambre, L. F.; and Ractliffe, L. H., 1976, Parasitology, v. 73 (2), 213-222
Haemonchus contortus cayugensis, lambs, infection with selected strain of smooth or of linguiform worms and subsequent grazing on same pasture, seasonal changes in phenotypes in relation to population density (affects frequencies of linguiform A vs. B but not of smooth vs. linguiform), "It appears therefore that the proportion of smooth to linguiform worms is a stable equilibrium maintained by natural selection."

Polymorphism
Le Jambre, L. F.; and Royal, W. M., 1977, Internat. J. Parasitol., v. 7 (6), 481-487
Haemonchus contortus from New South Wales, genetics of vulvar morph types, dominance hierarchy of these characters found to be smooth > knobbed > linguiform, linguiform phenotype most common in wild type population

Polymorphism
Le Jambre, L. F.; and Whitlock, J. H., 1976, Parasitology, v. 73 (2), 223-238
Haemonchus contortus cayugensis (New York State), Haemonchus contortus contortus (Ohio), vulvar phenotypes and hatch rate of eggs over a range of temperatures

Polymorphism
Mack, J. K.; and Birova, V., 1976, Biologia, Bratislava, s. B, Zool. (1), v. 31 (2), 91-103
Heterakis gallinarum, variations in tail length, numbers of caudal papillae, positions of caudal papillae, configuration of alae; various phenotypes, significance in helminthological systematics

Polymorphism
Michel, J. F.; Lancaster, M. G.; and Hong, C., 1976, Internat. J. Parasitol., v. 6 (1), 83-86
Ostertagia ostertagi females, variation in form of vulval flap, effect of genetic factors much smaller than effect of host resistance

Polymorphism
Moser, M.; Noble, E. R.; and Lee, R. S., 1976, J. Parasitol., v. 62 (5), 685-689
Myxidium coryphaenoidium, presence of 2 spore forms interpreted as result of polymorphism and not as mixed infection of 2 species; abnormal spores superficially resemble other Myxidium spp. and other genera (Myxobolus, Zschokkella, Auerbachia)

Polymorphism
Padchenko, I. K., 1975, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (5), 52-56
Trichomonadidae, polymorphism observed only during reproduction; multiple reproduction arising from chemicals; absence of cyst stage proven

Polymorphism
Venkatesan, S.; and Ormerod, W. E., 1973, J. Protozool., v. 20 (4), 529
Trypanosoma brucei, long-thin vs. short-stumpy forms, differences in lipids and in lysosomal enzymes, short-stumpy considered to be degenerate form as result of action of hydrolytic enzymes released at lyso-phagosomal junction, thus disease remission occurs as result of action of lysosomal enzymes rather than antibody activity

Polynesia
Ehrhardt, J. P., 1975, Medecine et Armees, v. 3 (2), 107-119
parasitic pathology found in natives of Polynesia, review

Polynesia
Saugrain, J., 1971, Medecine Trop., v. 31 (2), 233-236
filariasis, Angiostrongylus cantonensis, amoebiasis, human parasitic diseases of medical interest and their etiology: French Polynesia

Polysaccharides. See Carbohydrates.

Populations. See Ecology, Populations.

Portugal
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human malaria, details of eradication program to present stage of certification by WHO as area where malaria has been eradicated, emphasis on need for continued vigilance because of increased travel and imported cases: Portugal

Precipitin reactions. See Immunity, Precipitation.

Pregnancy. See Reproduction.

Premunition. See Immunity, Premunition.

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Toxoplasma gondii, seroimmunologic survey of newborn infants and their mothers for evidence of infection

Prenatal infection
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known or suspected Toxoplasma gondii infections in pregnant women, treatment during pregnancy with pyrimethamine combined with sulfa drugs, favorable results in selected clinical trials

Prenatal infection
Arendt de Ramos, F. F., 1976, Acta Bioquim. Clin. Latinoam., v. 10 (2), 121-126
Chagas disease, pregnant patients, positive immunological reactions in maternal serum, amniotic fluid, and newborn

Prenatal infection
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increasing incidence of malarial infections due to increased travel to and immigration from endemic areas, emphasis on diagnostic awareness; transplacental infection reported in 3-week-old twins: Toronto

Prenatal infection
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Toxoplasma gondii, fatal congenital toxoplasmosis in newborn infant manifesting as septicemia, encephalitis and hydrocephalus, case report: Poland

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Encephalitozoon cuniculi, no evidence of transmission from mother to young transplacentally, perinatally, or by post-natal contact

Prenatal infection
Bazargani, T. T., 1976, J. Vet. Fac. Univ. Tehran, v. 31 (3-4), 1975-1976, 87-92
theileriosis, clinical symptoms, 10-day-old calf, possible congenital infection: Iran

Prenatal infection
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acute congenital toxoplasmosis in guinea pigs (exper.), placental lesions varied with Toxoplasma strains used, foetus not affected if placenta lesions were absent

Prenatal infection
Bezubik, B., 1969, Acta Parasitol. Polon., v. 17 (1-19), 11-16
Strongyloides papillosus, pregnant rabbits infected percutaneously, no infection in newborn offspring

Prenatal infection
Biagi Finisola, F.; and Salmon Rodriguez, L., 1975, Bol. Med. Hosp. Inf., v. 32 (4), 691-698
Plasmodium vivax infection in infant, probable placental transmission: Mexico

Prenatal infection
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Trypanosoma cruzi, human congenital Chagas infection, clinical and pathologic review

Prenatal infection
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late pregnancy toxoplasmosis with infection of both mother and child not diagnosed until after delivery since mother had no antibodies against infection during early pregnancy

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Plasmodium vivax, congenital malaria in one non-identical twin, probably resulting from placental damage at time of delivery: London, mother had lived previously in India

Prenatal infection
Brinkmann, U. K.; et al., 1976, Bull. World Health Organ., v. 54 (6), 708-709
Onchocerca volvulus microfilariae, transplacental transmission with microfilariae found in skin and umbilical cords of newborn infants examined at time of delivery: Upper Region, Ghana

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congenital Trypanosoma rhodesiense infection in premature baby successfully treated with suramin and supportive measures; guidelines for similar therapy for T. gambiense infections: Zambia

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toxoplasmosis, children who develop congenital infection have an active immune response with elevated levels of IgM and IgA which distinguishes them from unaffected children of infected mothers and from normal controls

Prenatal infection
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Toxoplasma gondii, infection in hydrocephalic child diagnosed as congenital toxoplasmosis by isolation and cultivation of pathogenic agent: Hungary

Prenatal infection
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toxoplasmosis, recommendations for prevention of human congenital infections

Prenatal infection
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toxoplasmic uveitis in humans, immunopathology studies suggest that ocular toxoplasmosis is generally congenital

Prenatal infection
Dominguez, A.; and Giron, J. J., 1976, Acta Cytol., v. 20 (3), 269-271
Toxoplasma [gondii] cysts in human vaginal smears, need for accurate differential diagnosis from cancer, possible source of congenital toxoplasmosis and/or abortions as well as individual reinfection

Prenatal infection
Dranga, A.; et al., 1976, Bacteriol., Virusol., Parazitol., Epidemiol., Bucuresti, v. 21 (4), 219-225
immunoepidemiologic survey of family members after birth of child with congenital toxoplasmosis

Prenatal infection
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attempted transmission of feline coccidia from chronically infected queens to their kittens, results indicate congenital transmission of coccidia unlikely

Prenatal infection
Dubey, J. P.; and Hoover, E. A., 1977, J. Am. Vet. Med. Ass., v. 170 (5), 538-540
Toxoplasma gondii, attempted transmission from pregnant cats to their kittens, results indicate transplacental toxoplasma infection not important in epidemiology of the disease

Prenatal infection
Dubey, J. P.; and Streitel, R. H., 1976, J. Parasitol., v. 62 (4), 548-551
Hammondia hammondi, life cycle and transmission: tachyzoites are noninfectious to cats, infectivity being associated with cysts formed by the 10th day of mouse infection; more cysts found in mouse muscle than in brain, less frequent occurrence in spleen, liver, lungs, lymph nodes; absence of congenital transmission in mice; oocysts noninfectious to chickens

Prenatal infection
Duhard, J. P.; and Pages, D., 1973, Nouv. Presse Med., v. 2 (34), 2275-2276 [Letter]
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Prenatal infection
Dymowska, Z.; and Zielinska, E., 1976, Pediat. Polska, v. 51 (9), 1043-1049
Toxoplasma gondii, survey of children with suspected congenital infection, role of toxoplasmosis in developmental malformations and other pathology

Prenatal infection
Ekmen, H.; and Altintas, K., 1972, Mikrobiyol. Bul., v. 6 (4), 433-438
Toxoplasma gondii, women suffering habitual abortions, changes in antibody titers and decreased stillbirths after treatment with pyrimethamine and sulfamides during pregnancy: Turkey

Prenatal infection
Fayer, R.; Johnson, A. J.; and Lunde, M., 1976, J. Infect. Dis., v. 134 (6), 624-628
Sarcocystis fusiformis, field bred cows (exper.), clinical and pathological signs of infection, occurrence of abortions, no evidence of congenital transmission to calves or fetuses; Sarcocystis may play significant role in bovine abortions

Prenatal infection
Forrester, D. J.; Taylor, W. J.; and Nair, K. P. C., 1974, J. Wildlife Dis., v. 10 (1), 11-17
strongyloidosis in captive Odocoileus virginianus fawns, high mortality, transmission strongly presumed to be intrauterine, effective control by removal from does after 2 days of age and thiabendazole treatment; possible implications for wild deer populations: Florida

Prenatal infection
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Prenatal infection
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Prenatal infection
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Prenatal infection
Gillet, J.; and Herman, F., 1974, J. Protozool., v. 21 (3), 471 [Abstract]
P[lasmodium] b. berghei, mice, experimental congenital infection

Prenatal infection
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toxoplasmosis in newborn infants, comparisons of immunoglobulin levels with those of normal infants

Prenatal infection
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congenital toxoplasmosis with complicating hydrocephalus, case report: Netherlands

Prenatal infection
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Prenatal infection
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Prenatal infection
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human congenital toxoplasmosis, severe eye deformities in newborn probably resulting from placental changes induced by parasitic infection with resulting disturbance of oxygen supply; prophylactic recommendations for pregnant women

Prenatal infection
Hibler, C. P.; et al., 1974, J. Wildlife Dis., v. 10 (1), 39-41
Protostrongylus sp., prob. stilesi, evidence of transplacental route of infection in bighorn sheep, larvae recovered from tissues of fetuses and neonatal lambs: Pike's Peak, Colorado

Prenatal infection
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Toxoplasma gondii, infection and congenital transmission, Myocastor coypus molina: Norfolk and East Suffolk

Prenatal infection
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congenital Toxoplasma gondii as cause of subdural hygroma in children, case reports of parasites present in hygroma and cerebrospinal fluid, diagnosis using biological materials stressed: Lublin, Poland

Prenatal infection
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Toxoplasma gondii, human congenital infections, complement fixation test provides valuable laboratory support for diagnosis in conjunction with Sabin-Feldman dye test

Prenatal infection
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case reports of congenital choroido-retinitis and cerebral damage probably resulting from Toxoplasma gondii

Prenatal infection
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fatal Toxoplasma gondii congenital infection in newborn infant, diagnosis at autopsy: Hungary

Prenatal infection
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Taenia saginata, pregnant cows experimentally infected, calves examined after birth, not infected

Prenatal infection
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Toxoplasma gondii, humans, complications of pregnancy and congenital infections, clinical aspects

Prenatal infection
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transplacentally acquired parasitic diseases of dogs, diagnostic features, review

Prenatal infection
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Prenatal infection
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anti-Toxoplasma antibodies administered passively to mice may lead to suppression or enhancement of subsequent antibody response when these animals are later infected with Toxoplasma gondii, outcome dependent on infecting strain of Toxoplasma and antigen-antibody ratio, implications for possible influence which passively acquired maternal antibody may exert on foetus

Prenatal infection
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Strongyloides stercoralis, studies in anthropoid apes, evidence for autoinfection and prenatal infection: Zoologischen Gartens, Frankfurt

Prenatal infection
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Prenatal infection
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Prenatal infection
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Toxoplasma gondii virulent and avirulent strains, pregnant and nonpregnant sows (exper.), passage to piglets, variable behavior of strains

Prenatal infection
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Branchellion lobata in Squatina californica (spiracle valves on head, around cloaca, ventral surface of embryos within uterus): off Santa Barbara, California

Prenatal infection
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Toxoplasma gondii, sera from aborted or newborn lambs with congenital infections fractionated on Sephadex G-200, sera and fractions tested for antibodies using indirect fluorescent antibody test, most of antibody found in IgG fraction

Prenatal infection
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protozoans resembling Sarcocystis in brains of bovine foetuses and in placentas from aborted cows, pathological changes

Prenatal infection
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Prenatal infection
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Toxoplasma gondii, humoral antibody responses, appearance of IgM and IgG antibodies in adult female rats and their infants; transmission of infection from chronically infected rats to their fetuses and infants, no congenital toxoplasmosis detected

Prenatal infection
Paine, G. D.; and Miller, A. S., 1977, Vet. Rec., v. 100 (3), 58 [Letter]
Anaplasma marginale, newborn calf, possible prenatal infection

Prenatal infection
Partono, F.; and Cross, J. H., 1976, Trop. and Geogr. Med., v. 28 (1), 63-64
Toxoplasma gondii antibody titers in mother and 18-month old child with blindness and microphthalmia, probable prenatal infection: Indonesia

Prenatal infection
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Trichomonas vaginalis, congenital infections, prevalence survey, detection in newborns should constitute at least 2 examinations if infection in mother not previously detected, safe metronidazole dosage established: Poland

Prenatal infection
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congenital toxoplasmosis in infant with associated complications of Waterhouse-Friderichen syndrome and chickenpox, fatal illness, case report: Poland

Prenatal infection
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Prenatal infection
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Toxoplasma gondii, congenital toxoplasmosis as possible cause of birth defects and teratogenic changes, clinical review

Prenatal infection
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Prenatal infection
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Prenatal infection
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congenital toxoplasmosis in newborn with resulting biliary ascites, case report, fatal illness: Italy

Prenatal infection
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human congenital Toxoplasma [gondii], auditory and visual defects resulting from symptomatic and subclinical infections, need for early screening of suspected cases in order to prevent chorioretinitis and ameliorate brain damage

Prenatal infection
Stagno, S.; and Hurtado, R., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 90-91
Trypanosoma cruzi, early diagnosis of prenatal infections in newborn infants by demonstration of IgM antibodies using immunodiffusion and immunofluorescence

Prenatal infection
Stagno, S.; and Thiermann, E., 1972, Bol. Chileno Parasitol., v. 27 (3-4), 126-129
diagnosis of congenital toxoplasmosis in children using indirect immunofluorescence with anti-IgM

Prenatal infection
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Strongyloides ransomi, frequency of prenatal and transmammary infection, pigs of sequential litters from dams experimentally exposed as weanlings

Prenatal infection
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Toxocara canis, beagle dogs infected at conception or parturition, degree of prenatal and lactogenic infection respectively in offspring

Prenatal infection
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Prenatal infection
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T[rypanosoma] cruzi, 6 children with congenital Chagas' disease, presence of circulating EVI and specific anti-T. cruzi antibodies, skeletal muscle biopsies showed immunoglobulin deposits, findings suggest possible pathogenic role of EVI antibody in lesions

Prenatal infection
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Prenatal infection
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minor encephalopathy and pathology in infants, probably resulting from congenital toxoplasmosis

Prenatal infection
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human congenital toxoplasmosis, suggested prophylactic measures, abnormalities observed in congenitally infected children

Prenatal infection
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Plasmodium vivax, splenomegaly and anemia in an infant diagnosed as congenital malaria, case report: Los Angeles, California (mother had left Michoacan, Mexico shortly before delivery)

Prenatal infection
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congenital toxoplasmosis as rare cause of jaundice in the newborn infant

Prenatal infection
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Prenatal infection
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Prenatal infection
Werner, H., 1968, Bol. Chileno Parasitol., v. 23 (3-4), 98-101
Toxoplasma gondii, human latent uterine toxoplasma infections with resulting congenital transmission, prospects for diagnosis, need for antitoxoplasma treatment of women who have had habitual abortions or suspected infections

Prenatal infection
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Prenatal infection
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Syngamus trachea, larvae injected into embryonic chicken eggs survived entire period of time necessary for embryos to develop and hatch, some migrated to trachea and completed life cycle in chickens hatched from these eggs

Preservation. See Freezing; Technique, Specimen preparation and preservation.

Pressure, Atmospheric. [See also Altitude]

Pressure, Atmospheric
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Trypanosoma cruzi, stability of protective ability of homogenate prepared by compression-decompression procedure at different pressures, mice

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Cimex lectularius, responses to smell stimuli in relation to various environmental factors (temperature, light, atmospheric pressure, strong mechanical influence)

Professional diseases. See Occupational diseases.

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Diplostomum spathaceum, progenetic metacercariae from Lymnea elodes, infectivity for gull with normal development to adult without fish intermediate host

Prostaglandins. [See also Biochemistry; Metabolism]

Prostaglandins
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Prostaglandins
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Nippostrongylus brasiliensis, primary and secondary infections in rats, intestinal prostaglandin levels in relation to worm expulsion

Prostaglandins
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Boophilus microplus, prostaglandins in saliva, role in feeding mechanisms

Prostaglandins
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Prostaglandins
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gastrointestinal helminths, role of prostaglandins in worm expulsion, review

Prostaglandins
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Nippostrongylus brasiliensis, in vitro incubation with prostaglandin E_1, effect on glycolysis, on worm morphology, and on survival in vivo, results support view that prostaglandins play vital role in mechanism of worm expulsion

Prostaglandins
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Trichostrongylus colubriformis, guinea pigs, prostaglandins not inducing immune expulsion of worms from intestine; prostaglandin synthetase inhibitors not inhibiting expulsion by immune guinea pigs

Proteins. [See also Amino acids; Biochemistry; Metabolism]

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possible synergistic interaction between schistosomal infection and protein malnutrition reducing host resistance and increasing parasite numbers, trials in mice

Proteins
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effect of protein level in diet and host age on antibody production, Schistosoma mansoni-infected mice

Proteins
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Schistosoma mansoni, chronic hepatosplenic schistosomiasis in mice, parasite and host responses to protein and calorie malnutrition

Proteins
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Ascaridia galli extracts, isolation of trypsin and chymotrypsin inhibitors, partial purification and some physical and chemical properties

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Diclidophora merlangi, chemical composition, element analysis, glycogen, protein, lipid, RNA, DNA, ethanol-extractable carbohydrate

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energy metabolism in nematodes, extensive review

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Proteins
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Trypanosoma cruzi, uptake of proteins from fetal calf serum needed for growth, methods for labelling and subsequent localization (immunofluorescence; autoradiography; colloidal gold)

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Diphyllobothrium, 4 species all raised in same experimental final host (Mesocricetus auratus), protein profiles from isoelectric focusing, chemotaxonomic methods possibly useful for identification and distinction of species

Proteins
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Armillifer armillatus, nymph homogenate, disc electrophoresis fractionation, protein, glycoprotein, lipoprotein, mucopolysaccharide and RNA fractions

Proteins
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argument that genetic interactions between parasites and their hosts have played important perhaps even dominant role in maintaining protein polymorphisms, 3 hypotheses with supporting evidence, mathematical models of specific and general host resistance, consequences for evolutionary theory, symposium presentation

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Mermis nigrescens in Locusta migratoria, hemolymph uric acid increased, fecal uric acid decreased, host protein turnover

Proteins
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Proteins
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Proteins
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Proteins
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Leishmania braziliensis guyanensis, electron microscopic and cytochemical studies of concanavalin A receptors on cell membranes; agglutination; cell surface polysaccharides, glycoproteins and glycolipids

Proteins
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Haemogregarina sp. from Rana berlandieri (imported from Northern Mexico), intra- and extracellular gametocytes studied by light and electron microscopy, locomotion in relation to certain structural features, cytochemistry (proteinaceous and polysaccharide inclusions)

Proteins
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Crithidia harmosa, C. fasciculata, differentiation by immunological methods (agglutination, indirect fluorescent antibody) and by polyacrylamide gel slab electrophoresis (number and relative mobilities of component protein bands)

Proteins
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Minchinia nelsoni disease development in susceptible oysters, Crassostrea virginica, alterations in hemolymph protein, aspartate and alanine aminotransferases, and phosphohexose isomerase, host metabolic changes; possible humoral defense mechanisms

Proteins
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Proteins
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Proteins
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Leishmania donovani strains, characterization by disc electrophoresis, patterns of general protein staining, unspecific esterase, alkaline and acid phosphatases, species-specific fractions which may be instrumental in identification

Proteins
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Leishmania tropica strains, electrophoretic patterns for proteins and enzymes which made characterization of strains possible, taxon-specific esterase bands which could be used in differentiating from L. donovani

Proteins
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Trypanosoma brucei, RNA with messenger activity extracted from both blood and culture forms of parasite and translated into reticulocyte cell-free system, system used to investigate synthesis of polypeptides and especially of the variant antigen

Proteins
El-Zalaki, E. M.; Mohasseb, Z. S.; and Eldefrawi, E. A., 1975, Alexandria J. Agric. Research, v. 23 (2), 235-238
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Proteins
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Proteins
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Naegleria fowleri,cytochemical assays using acid phosphatase and 3,3'-diaminobenzidine reveal extent to which lysosomes and heme proteins contribute to cytoarchitecture, data suggest that pathogen's rapid invasive behavior is result of availability of erythrocytes (primary source of nutriment) in host inflammatory reaction and combined mechanisms of enhanced extracellular destruction with subsequent phagocytosis

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Hymenolepis diminuta, in vitro maintenance system (modification of Schiller system), morphological and metabolic criteria as indices of worm's condition in presence and absence of various additives

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microsporidan isolate previously considered to represent mixed infection of Nosema necatrix and Thelohania diazoma determined to be one species with spore dimorphism, electrophoretic protein profile of two spore types, temperature effects on ratio of mono- to octospores, recommended that name Nosema necatrix be retained for this isolate

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Proteins
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Ascaris lumbricoides, extent of hydrolysis of Ascaris cuticle collagen by bacterial collagenase under various conditions, amino acid composition of collagenase digests, results suggest $CaCl_2$ necessary for hydrolysis of certain regions in molecule of Ascaris collagen not present in mammalian collagens

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Proteins
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Capillaria hepatica, egg shell in situ following freeze-dry fixation of infected mouse liver, fine structure, histochemistry

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Hyalomma dromedarii, cycle of nitrogenous excretion of nymphs and females, feeding and postfeeding states

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Fasciola hepatica, shell-protein and glycogen synthesis by vitelline follicles in tissue slices, light and electron microscope autoradiography

Proteins
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Fasciola hepatica, incorporation of galactose and glucose into glycogen and glycoprotein of various tissues (parenchyma, tegument, testis, muscle), light and electron microscope autoradiography

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Ascaris suum, pieces of gut tissue in vitro, oxygen consumption, production of fermentation acids, anaerobic synthesis of protein

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Trichostrongylus colubriformis-infected sheep, thyroxine and thyroxine-binding proteins

Proteins
Hermoso, R.; Sanchez, M.; and Monteoliva, M., 1975, Rev. Iber. Parasitol., v. 35 (3-4), 355-360
Ascaris lumbricoides, culture in media with added glucose or hemoglobin, soluble protein and hemoglobin content of certain tissues, values for body wall most accurately reflect physiological state of parasite; Tyrode solution with 1.0 g glucose and 0.3 g pig hemoglobin per liter best medium for culture

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Ascaris lumbricoides var. suis, carboxypeptidase inhibitors, purification and properties, evidence for atypical stoichiometry

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Proteins
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Ascaris suum, intestinal basement membrane, analysis of polypeptide components, amino acid and carbohydrate composition

Proteins
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Ascaridia galli-infected chicks, absorption and digestion of protein and absorption of phosphate from intestine

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Proteins
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Paragonimus westermani, biochemical analysis of antigens, effects of heat, protein and carbohydrate content; reactions to agar-gel diffusion, complement fixation and electrophoresis

Proteins
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Crithidia sp., inhibition of overall growth and macromolecular synthesis by juvenile hormone, inhibition of RNA synthesis of particular interest, implications for mode of action in insect systems

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Trichuris muris, immunization with whole male and stichocyte antigen preparations and with 'exo' antigen obtained by incubation of adult worms, analysis of functional antigens by immunodiffusion and physicochemical treatments

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Pennella elegans, chemical composition and mode of stabilization of cuticle protein, disulphide linkage, possible function in protection from host enzymes

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Kelligan, M.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 291 [Demonstration]
Schistosoma mansoni, soluble membrane proteins existing in cytoplasm of tegument either free or in membrane bounded vesicles, possibly important in membrane synthesis on the outer surface of the worm

Proteins
Kershaw, W. E.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 11-12 [Demonstration]
Litomosoides carinii, serum immunoglobulin levels in cotton rats on protein-deficient diets

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Entamoeba histolytica, presence of actin in trophozoites demonstrated by immunofluorescence using human sera with anti-actin specificity

Proteins
Kilejian, A., 1976, J. Protozool., v. 23 (2), 272-277
Plasmodium lophurae, histidine-rich protein, possible role in merozoite penetration

Proteins
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Plasmodium chabaudi, characterization of membrane preparations from infected and uninfected erythrocytes of mice by specific activities of membrane-associated enzymes and by patterns of proteins and glycoproteins using gel electrophoresis

Proteins
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Plasmodium berghei, mice, albumin enhances protection of intramuscularly injected irradiated sporozoites probably by increasing motility but intravenously injected sporozoites still offer more protection

Proteins
Krishnan, S.; et al., 1976, J. Nutrition, Bethesda, v. 106 (6), 784-791
Plasmodium berghei, vitamin A protein energy, undernourished rats, increased susceptibility to infection, lower host phagocytosis

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Babesia microti vs. Plasmodium lophurae, feeding mechanisms of parasites freed of host erythrocytes, ferritin uptake of in vitro culture system

Proteins
Langreth, S. G.; and Balber, A. E., 1975, J. Protozool., v. 22 (1), 40-53
Trypanosoma brucei, long slender and short stumpy bloodstream forms, culture forms, use of ferritin to study uptake and intracellular movement of protein, and of acid phosphatase to localize digestive activity cytochemically

Proteins
Laurence, B. R.; and Simpson, M. G., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 12 [Demonstration]
Brugia spp., autoradiography and ultrastructure of filarial larvae development and metabolism in mosquito hosts, uptake of amino and nucleic acids

Proteins
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Trypanosoma cruzi epimastigotes, lipopeptidophosphoglycan, isolation, purification, compositional analysis

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possible associations between Schistosoma mansoni infections and renal damage with proteinuria, humans

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Dicrocoelium dendriticum-infected ants, reduced level of hemolymph proteins

Proteins
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Plasmodium knowlesi, protein synthesis in vitro

Proteins
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Plasmodium knowlesi, proteins released by schizonts cultivated in vitro

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Nematodirus battus, appearance of large hexagonal crystals blocking intestine, lipoprotein in composition, apparently associated with development of immunity to this nematode in lambs

Proteins
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Plasmodium knowlesi, surface coat on merozoites, transmission electron microscopy supports theory of origination of coat from parasite rather than from adsorbed serum protein of culture medium

Proteins
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Ascaris suum, proteolytic enzymes, optimal pH; action against synthetic substrate; activity distinct from that of trypsin of host

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comparative immunologic studies on fish and invertebrate (Fasciola hepatica) collagens

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Schistosoma mansoni and/or S. haematobium, patients with simple schistosomiasis vs. those with schistosomal polyposis all of whom showed signs of malnutrition, serum carnitine levels (and other haematological values) and liver function tests before and after nutritional repletion and ambilhar treatment, usefulness of serum carnitine as index of protein malnutrition

Proteins
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Ascaris lumbricoides, perivisceral fluid, separation and analysis of proteins and hemoglobin

Proteins
Monteoliva, M.; Benito, M.; and Hermoso, R., 1973, Rev. Iber. Parasitol., v. 33 (4), 515-524
Ascaris lumbricoides, perivisceral liquid, statistical analysis of content of proteins, hemoglobin and "adenine derivatives"; protein and hemoglobin content influenced by intestinal content and diet of host but not by maturity of parasite; types of proteins dependent on weight and maturity of parasite

Proteins
Monteoliva, M.; and Hermoso, R., 1974, Rev. Iber. Parasitol., v. 34 (3-4), 229-236
Ascaris lumbricoides, cultured in starvation conditions, soluble protein content decreased significantly in sexual organs and body wall, slightly in perivisceral fluid; hemoglobin decreased significantly in sexual organs and body wall, increased slightly in perivisceral fluid; estimates of endogenous utilization and elimination

Proteins
Mukerji, K.; et al., 1976, Indian J. Med. Research, v. 64 (11), 1611-1619
Ascaris lumbricoides var. hominis, purification and protein properties of trypsin inhibitor located in muscular and cuticular layers of parasite, speculations on immunologic role

Proteins
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gastrointestinal parasites, domestic animals (nat. and exper.) and rabbits (exper.), effects of infections on protein metabolism

Proteins
Munn, E. A., 1977, Tissue and Cell, v. 9 (1), 23-34
Haemonchus contortus, structure of intestinal cells, helical polymeric extracellular protein associated with luminal surface for which name contortin is proposed, Ostertagia circumcincta also contained contortin-like material but Nippostrongylus brasiliensis and Syphacia obvelata contained material associated with outer surface of microvilli which was quite distinct from contortin

Proteins
Nagai, Y.; et al., 1977, Comp. Biochem. and Physiol., v. 57 (1B), 27-30
Schistosoma mansoni, protein synthesis during cercaria-schistosomulum transformation and early larval development investigated in vitro and assessed by labelled amino acid incorporation

Proteins
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Taenia crassiceps larvae, ORF strain, active cell-free protein synthesis system

Proteins
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Trichomonas vaginalis, in vitro treatment of exponentially growing cultures with metronidazole, effect on cell division and fine structure, findings indicate initial effect is inhibition of cell multiplication as well as impairment of protein-synthesizing capacity

Proteins
Njogu, A. R.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 147-148 [Abstract]
Trypanosoma brucei subgroup, evidence that 4S (surface) antigens located on outer surface of cell membrane

Proteins
Norden, D. A.; and Gelfand, M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 607-608 [Letter]
Schistosoma haematobium, human, urinary loss of protein and amino acids would appear to make little contribution to severity of malnutrition

Proteins
Oriol, R.; et al., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 569-574
purification of lipoprotein antigens of Echinococcus granulosus from sheep hydatid fluid

Proteins
Parker, R. D., jr.; and MacInnis, A. J., 1977, Exper. Parasitol., v. 41 (1), 2-16
Hymenolepis diminuta, cell-free system for protein synthesis, isolation and purification and reconstruction in vitro; puromycin inhibition of protein synthesis in this system indicated its potential use in investigating anthelmintic action

Proteins
Pasternak, J.; and Barrell, R., 1976, Exper. Cell Research, v. 102 (1), 191-199
Ascaris lumbricoides, quantitative changes in DNA, histone, and basic nuclear protein content during spermatogenesis and oogenesis, microspectrophotometry

Proteins
Pasternak, J.; and Barrell, R., 1976, J. Exper. Zool., v. 198 (2), 217-223
Ascaris lumbricoides, patterns of nuclear DNA and protein changes during embryogenesis, microspectrophotometric analysis, comparison with free-living Panagrellus silusiae

Proteins
Pereira, N. M.; et al., 1977, J. Protozool., v. 24 (4), 511-514
Crithidia fasciculata, Herpetomonas samuelpessoai, Leishmania tarentolae, isolation of flagella, 3 types of flagella give similar electrophoretic pattern of proteins, H. samuelpessoai and to a lesser extent C. fasciculata flagella confer protection against Trypanosoma cruzi infections in mice

Proteins
Pettigrew, G. W.; and Smith, G. M., 1977, Nature, London (5595), v. 265, 661-662
Crithidia oncopelti, cytochrome c557, novel N-terminal protein blocking group identified as dimethylproline

Proteins
Phares, C. K.; and Ruegamer, W. R., 1973, Prep. Biochem., v. 3 (4), 375-381
Spirometra mansonoides, plerocercoid growth factor, isolated by means of polyacrylamide gel electrophoresis and identified by pigeon crop sac assay

Proteins
Philippe, M.; and Schrevel, J., 1977, J. Protozool., v. 24 (4), 63A [Abstract]
Gregarina blaberae, proteins and glycoproteins of cortical membranes

Proteins
Picard-Maureau, A.; et al., 1975, Tropenmed. u. Parasitol., v. 26 (4), 405-416
Plasmodium vinckei-infected mouse erythrocytes, protein content, glutathione concentration, enzyme activity, correlation with stage of parasite development, significance of results for metabolism of malaria parasites and for possible adaptation to mosquito

Proteins
Potter, L. M.; and Shelton, J. R., 1977, Poultry Science, v. 56 (5), 1748-1749 [Abstract]
large white female turkeys, effects of varying protein and methionine levels and of adding anticoccidial agents in their diets to 16 weeks of age, body weights from anticoccidial treatment not significantly different

Proteins
Rahko, T., 1972, Acta Vet. Scand., v. 13 (4), 575-584
Dicrocoelium dendriticum and Fasciola hepatica, comparison of histochemical pathology of infected goats showing increase in number of hepatic mast cells and occurrence of globule leucocytes in bile-duct walls

Proteins
Rao, V. G.; and Padma, M. C., 1975, Indian J. Exper. Biol., v. 13 (2), 168-171
Entamoeba histolytica, rats on low protein, low vitamin diet, increased susceptibility, poor immune response as shown by haemagglutination test

Proteins
Reisner, A. H.; and Westwood, N. H., 1977, Austral. J. Exper. Biol. and Med. Sc., v. 55 (1), 19-25
Trypanosoma brucei and Paramecium aurelia soluble surface proteins compared, considerable degree of similarity, suggests that Paramecium aurelia system can serve as model for phenomenon of phase transformation (relapse syndrome) which occurs in trypanosomiasis

Proteins
Richards, W. H. G.; and Williams, S. G., 1975, Ann. Trop. Med. and Parasitol., v. 69 (2), 135-140
Plasmodium falciparum in Aotus trivirgatus, treatment with chloroquine or 1-amidino-3-(3-chloro-4-cyanophenyl) urea, comparison of assessment in vivo with an in vitro test of protein-synthesizing activity (incorporation of radioactive leucine), in vitro system should prove useful in drug metabolism studies and in experiments using large or expensive animals

Proteins
Ridley, R. K.; Slonka, G. F.; and Leland, S. E., jr., 1977, J. Parasitol., v. 63 (2), 348-356
Cooperia punctata, L_4 and adult stages grown in vitro, utilization of propionic acid, use of propionate by worms would result in depriving ruminant host of some of its necessary glucogenic precursors and could account for specific pathogenic mechanism attendant to heavy infections

Proteins
Roberts, C. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 155 [Abstract]
Trypanosoma congolense and T. vivax-infected sheep, changes in lipid levels during infection, effects of infection on metabolic processes of serum lipoproteins

Proteins
Ross, G. W.; and Knight, R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 560-567
Entamoeba histolytica, dietary factors affecting pathogenicity in rats, effect of low protein and low protein-high carbohydrate diets, measurements of bacterial flora, pH, and redox potential

Proteins
Rougemont, A.; et al., 1975, Medecine Trop., v. 35 (5), 418-422
Schistosoma haematobium, mass epidemiologic surveys, relationship of proteinuria to human urinary schistosomiasis

Proteins
Ruppel, A.; and Cioli, D., 1977, Parasitology, v. 75 (3), 339-343
Schistosoma mansoni, protein composition of various developmental stages compared by electrophoresis in polyacrylamide slab gels, high degree of identity between protein patterns obtained from immature and adult parasites of the two sexes, some stage- and sex-specific components were identified

Proteins
Saowakontha, S., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 79-81
Trichinella spiralis, no differences between number of worms in immunized rats (exper.) fed low or high protein diets, significantly lower number of worms in immunized rats compared with rats not immunized

Proteins
Segura, E. L.; et al., 1975, Medicina, Buenos Aires, v. 35 (5), 451-459
localization and determination of proteins and antigens in nuclear, mitochondrial, microsomal and cytoplasmic fractions of Trypanosoma cruzi

Proteins
Serrano, R.; Deas, J. E.; and Warren, L. G., 1977, Exper. Parasitol., v. 41 (2), 370-384
Entamoeba histolytica, cell fractionation study, isolation and electron microscopy of two membrane fractions, properties and distribution of marker enzymes, chemical analysis of fractions, electrophoretic patterns of membrane polypeptides, glucose transport

Proteins
Sherkov, S., 1976, Vet. Med. Nauki, v. 13 (9), 93-99
Eimeria tenella, chickens, thiamine and egg white in feed, effects on host pathomorphology and on mortality and oocyst production

Proteins
Sherman, I. W., 1974, J. Protozool., v. 21 (3), 452 [Abstract]
Plasmodium knowlesi cell-free system, requirements for optimum protein synthesis, effect of various drugs

Proteins
Sherman, I. W., 1976, Comp. Biochem. and Physiol., v. 53 (4B), 447-450
Plasmodium knowlesi ribosomes, development of highly active cell-free protein synthesizing system, use in assaying antimalarials

Proteins
Sherman, I. W.; and Jones, L. A., 1976, J. Protozool., v. 23 (2), 277-281
Plasmodium lophurae, reliable procedure for isolation of active ribosomes, optimal requirements for in vitro synthesis of proteins, effects of variety of drugs on duck reticulocyte and plasmodial ribosomes in cell-free protein-synthesizing systems (restricted selectivity not obtained)

Proteins
Siddiqui, M. A.; and Attia, M. S., 1973, Riv. Parassitol., Roma, v. 34 (4), 277-280
Paramphistomum cervi, Gastrothylax crumenifer, in vitro maintenance for about 36 hours, water content, lipid content, nitrogen and protein estimation

Proteins
Siemes, H.; Siegert, M.; and Lison, H., 1974, Monatschr. Kinderh., v. 122 (7), 440-442
congenital infections causing encephalitis (including toxoplasmosis), electrophoretic analysis of proteins in cerebrospinal fluid

Proteins
Slutzky, G. M.; and Greenblatt, C. L., 1977, FEBS Letters, v. 80 (2), 401-404
Leishmania tropica, isolation of immunologically active factor from cultures, contains carbohydrate segment produced by parasite and protein segment incorporated from growth medium

Proteins
Slutzky, G. M.; and Greenblatt, C. L., 1977, J. Protozool., v. 24 (4), 67A [Abstract]
Leishmania tropica, isolation and characterization of immunologically active carbohydrate-protein complex from cultures

Proteins
de Souza, W.; Bunn, M. M.; and Angluster, J., 1976, J. Protozool., v. 23 (2), 329-333
Leptomonas pessoai, cell surface polysaccharides and/or glycoproteins demonstrated by agglutination with concanavalin A as well as cytochemical reactions

Proteins
Srivastava, M.; and Gupta, S. P., 1976, Ztschr. Parasitenk., v. 49 (1), 93-96
Isoparorchis hypselobagri, egg shell formation, histochemical identification of proteins, phenols, and phenolase in vitelline globules, presence of quinone tanning system confirmed as shell formation mechanism

Proteins
Srivastava, M.; and Gupta, S. P., 1976, Ztschr. Parasitenk., v. 49 (2), 179-182
Isoparorchis hypselobagri, protein metabolism in vitro

Proteins
Stefl, B.; and Kubistova, J., 1972, Physiol. Bohemoslov., v. 21 (3), 261-263
Ascaris lumbricoides var. suis, low actomyosin content of body-wall muscles, possible role in metabolism

Proteins
Stotish, R. L.; et al., 1976, J. Biol. Chem., v. 251 (2), 302-307
Eimeria tenella, glycoprotein unique to cytoplasm of unsporulated oocyst, purification and partial characterization, disappearance from cytoplasm during sporulation, possible incorporation into sporozoite membranes, studies on possible role in immunity inconclusive

Proteins
Symons, L. E. A.; and Jones, W. O., 1975, Austral. J. Agric. Research, v. 26 (6), 1063-1072
Trichostrongylus colubriformis, sheep, radioisotope-labelled leucine for measurement of protein synthesis in muscles, liver and wool follicles, anorexia as major cause of protein metabolism changes

Proteins
Symons, L. E. A.; and Jones W. O., 1977, Exper. Parasitol., v. 42 (1), 194-202
Eimeria tenella-infected chickens, altered protein synthesis, compared to hosts infected with bacteria or with intestinal nematodes, evidence that loss of protein may increase apparent concentration of DNA and RNA of muscle and liver

Proteins
Takeuchi, T.; Weinbach, E. C.; and Diamond, L. S., 1977, Exper. Parasitol., v. 43 (1), 107-114
Entamoeba histolytica, phosphorylase, particulate glycogen, subcellular distribution, characterization, particulate glycogen may be polysaccharide-protein complex

Proteins
Taylor, A. E. R.; and Williams, J. E., 1977, Parasitology, v. 75 (2), xxiii [Abstract]
Trypanosoma spp., possibility of characterizing species and strains using differences in polypeptide profiles on sodium dodecyl sulphate polyacrylamide gel electrophoresis

Proteins
Taylor, D. W.; and Cross, G. A. M., 1976, Parasitology, v. 73 (2), vii-viii [Abstract]
Trypanosoma brucei, development of in vitro system using fully defined medium HX 28 in order to facilitate studies into control of synthesis of variant-specific antigens of surface coat of bloodstream forms

Proteins
Threadgold, L. T., 1976, Exper. Parasitol., v. 39 (1), 119-134
Fasciola hepatica, glycocalyx of tegument, more precise definition of morphology and chemistry using histochemical tests and controls combined with specific enzyme digestions and fine structural studies, variations depending on environment immediately prior to fixation and also on fixation and postfixation treatment

Proteins
Trefiak, W. D.; and Desser, S. S., 1973, J. Protozool., v. 20 (1), 73-80
crystalloid inclusions in Leucocytozoon, Parahaemoproteus, and Plasmodium, lipid-protein nature, ultrastructural morphology

Proteins
Vasilev, I.; and Osikovski, E., 1974, Izvest. Tsentral. Khelmint. Lab., v. 17, 43-50
Philophthalmus posaviniensis, P. cupensis, P. sp., Hyptiasmus, water-soluble proteins, disc electrophoresis in polyacrylamide gel, difference in electrophoretic pattern between genera, but none between the 3 species of Philophthalmus, concluded that they are one species

Proteins
Visvesvara, G. S.; and Balamuth, W., 1975, J. Protozool., v. 22 (2), 245-256
Acanthamoeba, Naegleria, Hartmannella, comparative studies on free-living and pathogenic amebae: cyst structure; nutrition; protein composition; immunology; cell free plaques and other cytopathic effects; phospholipase liberation; sensitivity to amphotericin B

Proteins
Vivares, C. P.; Loubes, C.; and Bouix, G., 1976, Ann. Parasitol., v. 51 (1), 1-14
Thelohania maenadis, Nosema pulvis, cytochemistry

Proteins
Vivares, C. P.; Trellu, J.; and Ceccaldi, H. J., 1977, Experientia, v. 33 (10), 1311-1312
Thelohania maenadis-infected vs. uninfected Carcinus mediterraneus, electrophoregrams (proteingram and zymogram) of hemolymph proteins, parasitized crabs show increase in chymotrypsin activity and variations in zones of esterase activity

Proteins
Wagner, K. P.; and Krassner, S. M., 1976, Exper. Parasitol., v. 39 (2), 222-233
Leishmania tarentolae promastigotes, replica-plating techniques, isolation of stable mutant strains resistant to chloramphenicol, isolation of cell lines stress-adapted to streptomycin and to high culture temperatures, factors influencing resistance, mode of action of chloramphenicol (inhibition of protein synthesis and proline oxidation)

Proteins
Wang, C. C.; and Stotish, R. L., 1975, J. Protozool., v. 22 (3), 438-443
Eimeria tenella oocysts during sporulation, changes in nucleic acids and proteins

Proteins
Watertor, J. L.; and Van Landingham, S. B., 1976, J. Parasitol., v. 62 (1), 152-153
host-induced histochemical variations in Telorchis bonnerensis reared in Ambystoma tigrinum vs. Chelydra serpentina, histochemical resemblance to T. corti when both reared in C. serpentina

Proteins
Weinbach, E. C.; et al., 1976, J. Parasitol., v. 62 (1), 127-128
Entamoeba histolytica, evidence that iron-sulfur proteins are functional in aerobic metabolism

Proteins
Weise, M.; and Voller, A., 1975, Tropenmed. und Parasitol., v. 26 (4), 390-394
Plasmodium brasilianum, proteinuria and other pathologic changes in urinary tract of Aotus trivirgatus (exper.), possible use of Aotus-P. brasilianum system to study renal immunopathology of human malaria

Proteins
Wheater, P. R.; and Wilson, R. A., 1976, Parasitology, v. 72 (1), 99-109
Schistosoma mansoni, tegument, histochemistry, main components are neutral glycoprotein and phospholipid, differentiation from other schistosome tissues on the basis of marker enzymes

Proteins
Wilkins, D.; and Lee, D. L., 1976, Parasitology, v. 72 (1), 51-63
Histomonas meleagridis, caecal wall and liver of infected turkey poults, changes in amount and distribution of acid and alkaline phosphatase, non-specific esterase, glycogen, lipid, and acid mucopolysaccharide

Proteins
Willaert, E.; Jadin, J. B.; and Le Ray, D., 1972, Protistologica, v. 8 (4), 497-504
Naegleria, immunoelectrophoretic analysis of water soluble proteins, comparison of pathogenic and nonpathogenic strains, confirms existence of two separate species and gives evidence of homogeneity of pathogenic strains from different geographic areas, no antigenic relationship with Hartmannella castellanii or Entamoeba histolytica, study of antigenically intermediate strain between N. gruberi and pathogenic Naegleria sp.

Proteins
Wittrock, D. D., 1976, J. Parasitol., v. 62 (5), 834-836
Quinqueserialis quinqueserialis, cirrus tegument, ultrastructure, histochemical tests suggest major component is glycoprotein

Proteins
Yuan, L.; and Sell, K. W., 1974, Immunochemistry, v. 11 (5), 235-242
Schistosoma mansoni, guinea pigs, development of delayed hypersensitivity in response to antigens extracted from cercariae, successful transfer of cercarial delayed hypersensitivity with lymphoid cells, pronase treatment decreased immunogenicity and antigenicity of cercarial antigens suggesting that protein components play major role

Proteins
Zaitseva, G. N.; Kolesnikov, A. A.; and Shirshov, A. T., 1977, Molec. and Cell. Biochem., v. 14 (1-3), 47-54
Crithidia oncopelti, kinetoplast DNA, structure, transcription, protein-synthesizing apparatus, protein synthesis controlled by kinetoplast genome

Proteins, Blood. [See also Blood; Immunity]

Proteins, Blood
Aalberse, R. C.; Brummelhuis, H. G. J.; and Reerink-Brongers, E. E., 1973, Immunochemistry, v. 10 (5), 295-303
plasma from patients with Schistosoma mansoni and tropical eosinophilia probably due to a microfilaria infection, purification of polyclonal IgE by immunosorption

Proteins, Blood
Abdalla, R. E.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 443-449
human mucosal leishmaniasis, possibly Leishmania donovani, distribution, clinical features, pathology, immunology, sodium stibogluconate: Sudan

Proteins, Blood
Al-Baldawi, F. A. K.; et al., 1976, Parasitology, v. 73 (2), xviii [Abstract]
Litomosoides carinii in protein-deficient cotton rats, immune response assessed by measuring IgG, IgM, and anaphylactic antibody level

Proteins, Blood
Alcoba Leza, M.; Lopez Lopez, C.; and Lopez Nicolas, S., 1973, Med. Clin., Barcelona, v. 60 (2), 119-123
pleuropulmonary manifestations in human Fasciola hepatica, diagnosis by radiography and dysproteinemia

Proteins, Blood
Allen, W. M.; et al., 1973, J. Comp. Path., v. 83 (3), 369-375
Eimeria brunetti, chickens experimentally infected at 2 different dose rates, physiopathological changes, plasma protein and electrolyte alterations, weight loss

Proteins, Blood
Amborski, G. F.; Bello, T. R.; and Torbert, B. J., 1974, Am. J. Vet. Research, v. 35 (9), 1181-1188
Strongylus vulgaris, more adverse host reaction in parasite-free ponies than in ponies sensitized by previous natural infection, changes in serum glycoprotein patterns may be related to arterial damage associated with larval migrations

Proteins, Blood
Anderson, P. H.; et al., 1977, Vet. Rec., v. 100 (3), 43-45
Fasciola hepatica, calves (exper.), enzyme activity in plasma or serum, serum concentrations of proteins, urea and bilirubin; glutamate dehydrogenase and gamma-glutamyl transpeptidase most sensitive indicators of liver cell damage

Proteins, Blood
Areekul, S.; et al., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 569 [Demonstration]
human hookworm infection, measurement of gastro-intestinal protein loss

Proteins, Blood
Areekul, S.; et al., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 505-510
P[lasmodium] falciparum in humans, P. knowlesi in Macaca mulatta, serum haptoglobin levels during course of infection and after treatment, fall and rise of haptoglobin levels were in parallel with changes of hemoglobin concentrations, alterations probably due to hemolysis and increased phagocytic activity

Proteins, Blood
Armenio, I.; Ceci, A.; and Di Bitonto, G., 1975, Minerva Pediat., v. 27 (11), 658-661
toxoplasmosis of newborns and older infants, survey of IgM levels for use in diagnosis and mass screening

Proteins, Blood
Baker, J. R.; and Taylor, A. E. R., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 471-485
Trypanosoma brucei brucei- and T. brucei rhodesiense-infected Pan troglodytes (exper.), course of infection, serologic relationships between trypanosome species and strains, blood changes, cerebrospinal fluid changes, post-mortem observations

Proteins, Blood
Balbo, T.; et al., 1973, Ann. Fac. Med. Vet. Torino, v. 20, Suppl., 33-71
Fasciola hepatica, cattle (exper.), clinical and diagnostic aspects (coprology; blood picture; serum proteins; immunological determination of albumins and globulins; serum enzymes; bilirubin; BSF; serum minerals; body weight gain)

Proteins, Blood
Baldo, B. A.; and Fletcher, T. C., 1973, Nature (5429), v. 246, 145-146
evidence of C-reactive protein-like precipitins in Pleuronectes platessa serum, reaction with Ascaris lumbricoides extract, possibility that these non-antibody precipitins form part of the fishes' humoral defenses against invasion by parasites

Proteins, Blood
Barrowman, P. R., 1976, Onderstepoort J. Vet. Research, v. 43 (2), 55-65
Trypanosoma equiperdum in naturally infected horses, transmission studies, clinical symptoms and lesions, localization of parasite, host immune response, methods for parasite detection, varying results of chemotherapy with MSbE; attempts to infect rats, rabbits, and a dog were unsuccessful: South Africa

Proteins, Blood
Barsanti, J. A.; Kristensen, F.; and Drumheller, F. B., 1977, Am. J. Vet. Research, v. 38 (7), 1055-1058
Dirofilaria immitis, dogs, analysis of serum proteins using agarose electrophoresis, relationship of differences in concentration of protein fractions to differences in age, sex, and infected vs. non-infected dogs

Proteins, Blood
Bassily, S.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (11), 256-258
Schistosoma mansoni in humans, Salmonella and schistosomal associated nephrotic syndrome, pathologic changes, immunoglobulin levels and serum complement pre- and post-treatment with niridazole and ampicillin

Proteins, Blood
Batte, E. G.; McLamb, R. D.; and Vestal, T. J., 1976, Pathophysiol. Parasit. Infect., 69-73
Trichuris suis, pigs, clinical signs, hypoalbuminaemia, increase in serum alpha, beta, and gamma globulin, depressed serum calcium levels, no correlated changes in zinc levels, serum creatinine, SGPT, blood sugars, hemoglobin, bilirubin, or BUN

Proteins, Blood
Befus, A. D., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 273 [Demonstration]
Hymenolepis diminuta, H. microstoma, detection of surface coat immunoglobulins by direct immunofluorescence, distribution of immunoglobulins in mouse host intestine

Proteins, Blood
Behforouz, N.; Rezai, H. R.; and Gettner, S., 1976, Ann. Trop. Med. and Parasitol., v. 70 (3), 293-301
Leishmania spp., immunofluorescence used to detect antibodies in humans, mice and guinea pigs using heterologous and homologous antigens; immunoelectrophoretic identification of active fraction of guinea pig antibody

Proteins, Blood
Berry, C. I.; and Dargie, J. D., 1976, Vet. Parasitol., v. 2 (4), 317-332
Fasciola hepatica, sheep, role of host nutrition in pathogenesis, effects of diets providing different protein intake and of a switch from high to low protein diet on anemia, hypoalbuminemia, and weight

Proteins, Blood
Bezjak, B., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 945-948
Strongyloides stercoralis, determination of immunoglobulins in duodenal contents and feces of infected humans, elevation of serum IgE levels

Proteins, Blood
Bezubik, B., 1969, Acta Parasitol. Polon., v. 17 (1-19), 1-9
Strongyloides papillosus, rabbits, human gamma globulin beneficial as expressed by host weight, parasite egg production, and blood values; infection more severe in younger hosts

Proteins, Blood
Bhopale, M. K.; and Johri, G. N., 1976, J. Hyg., Epidemiol., Microbiol. and Immunol., v. 20 (4), 464-470
Ancylostoma caninum, Swiss albino mice (exper.), analysis of serum protein components in the presence of infection, significant decrease in albumin and gamma globulin with increase in beta globulin, most significant changes occurred on the 9th day after infection

Proteins, Blood
Biroum-Noerjasin, 1973, Clin. and Exper. Immunol., v. 13 (4), 545-551
hookworm, human, IgE levels in relation to anti-helminthic treatment, to numbers of eggs/g of stool, to states of infestation (with and without reinfestation, with and without superinfestation), and to time post-treatment, changes in differential lymphocyte and eosinophil counts: East Java, Indonesia

Proteins, Blood
Bitakaramire, P. K., 1973, Isotopes and Radiation Parasitol. III, 23-32
Fasciola gigantica, calves, immunization with gamma-irradiated metacercariae, pathology, albumin and iron turnover in vaccinated vs. non-vaccinated groups

Proteins, Blood
Blumenthal, D. S.; and Schultz, M. G., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 682-690
Ascaris lumbricoides, nutritional status of infected children compared with matched controls using anthropometric, clinical and laboratory criteria, adverse effects on serum albumin and vitamin C levels: Louisiana

Proteins, Blood
Bogucki, M. S.; and Seed, J. R., 1976, J. Protozool., v. 23 (2), 17A [Abstract]
Trypanosoma brucei gambiense, host antigens obtained from extracts of well-washed rat-harvested parasites identified as immunoglobulins

Proteins, Blood
Boron-Kaczmarska, A.; et al., 1977, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 239 (3), 414-418
Taenia saginata, patients before and after Yomesan treatment, serum levels of IgG, IgA, and IgM, blastic lymphocyte transformation following phytohaemagglutinin stimulation

Proteins, Blood
Boulton, F. E.; Jenkins, G. C.; and Lloyd, M. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 153-154 [Abstract]
T[rypanosoma] brucei-infected rabbits, changes in clotting mechanism during infections and possible role of disseminated intravascular coagulation in causing hemolysis and anemia; increased production of clotting proteins

Proteins, Blood
Bretana, A.; and O'Daly, J. A., 1976, Internat. J. Parasitol., v. 6 (5), 379-386
Trypanosoma cruzi, uptake of proteins from fetal calf serum needed for growth, methods for labelling and subsequent localization (immunofluorescence; autoradiography; colloidal gold)

Proteins, Blood
Briggs, M.; Wenlock, R. W.; and Briggs, M. H., 1972, Med. J. Zambia, v. 6 (2), 39-41
comparison of serum proteins of healthy subjects and those of persons with untreated malaria, hookworm or schistosomiasis, possible diagnostic value: Zambia

Proteins, Blood
Brown, A. R.; Crandall, R. B.; and Crandall, C. A., 1976, J. Parasitol., v. 62 (1), 169-171
Heligmosomoides polygyrus-infected mice, increased IgG catabolism as possible factor in observed suppression of circulating antibody levels following immunization to sheep erythrocytes

Proteins, Blood
Buck, A. A.; Anderson, R. I.; and MacRae, A. A., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 21-31
serum immunoglobulin levels in five villages compared, comparative studies of IgG, IgA, IgM, and IgD levels between Onchocerca volvulus patients with and without microfilaruria, different age and sex patterns, effect of infection intensity, IgE and combined infection with Schistosoma mansoni: Chad

Proteins, Blood
Buendia, E.; et al., 1974, Nouv. Presse Med., v. 3 (36), 2334 [Letter]
human trichinosis, alterations of blood proteins in presence of infections

Proteins, Blood
Camus, D.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 482-490
Schistosoma mansoni, attempted correlation of immunoglobulin levels, antibodies, and delayed hypersensitivity reactions in infected patients living in defined endemic area: Bahia state, Brazil

Proteins, Blood
Capbern, A.; et al., 1977, Ann. Parasitol., v. 52 (3), 237-251
Trypanosoma equiperdum, 2 strains giving rise to different clinical disease in rabbits (exper.), aspects of immune response (specific antibodies, hypermacroglobulinemia, anti-fibrinogen auto-antibodies) and coagulation disorders

Proteins, Blood
Casarosa, L.; Lugetti, G.; and Favati, V., 1974, Ann. Fac. Med. Vet. Pisa, v. 26, 1973, 373-384
adherence reaction between infective Dictyocaulus filaria larvae (sensitized with immune guinea pig serum) and guinea pig peritoneal macrophages; mixed antiglobulin reaction between infective D. filaria larvae and sheep red blood cells previously sensitized with photo-oxidized guinea pig antiserum; adherence reaction induced by gamma globulin combining with cuticle of parasite

Proteins, Blood
Cederqvist, L. L.; et al., 1977, Obst. and Gynec., v. 50 (2), 200-204
toxoplasmosis, children who develop congenital infection have an active immune response with elevated levels of IgM and IgA which distinguishes them from unaffected children of infected mothers and from normal controls

Proteins, Blood
Cena, H., 1976, Vet. Arhiv, Zagreb, v. 46 (7-8), 207-214
Taenia saginata, calves (exper.), changes in plasma proteins modified by previous immunization

Proteins, Blood
Chaicumpa, V.; Jenkin, C. R.; and Rowley, D., 1976, Austral. J. Exper. Biol. and Med. Sc., v. 54 (3), 245-252
Nematospiroides dubius, no passive tranfer of immunity to normal mice by serum from immune mice, passive transfer of immunity from immunized mice to their offspring, immunity dependent on intake of immunoglobulin via milk for period longer than 24 hours, passive transfer of immunity from immune mothers to neonatal mice does not appear to be dependent on a specific class of immunoglobulins

Proteins, Blood
Chapman, H. D., 1974, Research Vet. Sc., v. 16 (1), 1-6
lambs under a husbandry system with crowded indoor housing, performance in 2 separate trials: growth during acquisition of natural mixed coccidial infections; pathogenicity of an artificial infection of primarily Eimeria ninakohlyakimovae, growth, blood changes

Proteins, Blood
Chapman, W. E.; and Ward, P. A., 1976, J. Immunol., v. 116 (5), 1284-1288
Babesia rodhaini-infected rats, metabolism of third component of complement and IgG, development of hypocomplementemia and immune complex nephritis

Proteins, Blood
Chen, S.-N., 1975, Bull. Inst. Zool., Acad. Sinica, v. 14 (2), 109-113
Angiostrongylus cantonensis as possible cause of human cases of eosinophilic meningitis, immunoglobulins and leucocytes in blood and cerebrospinal fluid, antibody to A. cantonensis, evidence for specific immune response, history of eating raw Achatina fulica

Proteins, Blood
Chipperfield, E. J.; and Evans, B. A., 1972, Clin. and Exper. Immunol., v. 11 (2), 219-223
Trichomonas vaginalis, influence of local infection on immunoglobulin formation in human endocervix observed using direct fluorescent antibody technique on specimens obtained by needle biopsy

Proteins, Blood
Chipperfield, E. J.; and Evans, B. A., 1975, Infect. and Immun., v. 11 (2), 215-221
Trichomonas vaginalis, concentrations of IgA and IgG in cervical mucus from patients attending clinic for sexually transmitted diseases, comparison of those using oral contraceptives and those with presumed normal ovulatory cycles

Proteins, Blood
Clarkson, M. J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 272 [Abstract]
Trypanosoma brucei and T. congolense in mice, immunoglobulin changes during infection

Proteins, Blood
Clarkson, M. J., 1976, Parasitology, v. 73 (2), viii [Abstract]
Trypanosoma brucei, differential serum IgM response in different strains of mice, immunosuppression to sheep red blood cells demonstrated in mice with both high and low IgM concentrations

Proteins, Blood
Clarkson, M. J., 1976, Pathophysiol. Parasit. Infect., 171-182
trypanosomiasis of man and animals, IgM levels, possible role of IgM in pathogenesis, mechanism of increased IgM

Proteins, Blood
Clarkson, M. J.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 2-3 [Demonstration]
Trypanosoma vivax, West African strain, serum protein changes in infected calves (exper.), possible mechanism of increased IgM

Proteins, Blood
Clarkson, M. J.; Choudhry, M.; and Cullingham, T. J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 2 [Demonstration]
Trypanosoma brucei-infected mice (exper.), changes in immunoglobulins

Proteins, Blood
Clarkson, M. J.; and Penhale, W. J., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 273 [Abstract]
Trypanosoma vivax, calves (exper.), serum protein changes

Proteins, Blood
Clyde, D. F.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 397-401
immunization of man against sporozoite-induced Plasmodium falciparum and P. vivax by inoculation with X-irradiated attenuated sporozoites administered by mosquito bite, species specificity of antigen and antibody, no increase in levels of immunoglobulins G and M

Proteins, Blood
Coltorti, E. A.; and Varela-Diaz, V. M., 1975, Ztschr. Parasitenk., v. 48 (1), 47-51
hydatid cysts from gerbils and mice and cysts transplanted from mice to gerbil peritoneal cavities, host IgG in cysts in variable concentrations, entrance of macromolecules possibly discontinuous or random; possible mechanisms

Proteins, Blood
Cook, G. C., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 143-145
Plasmodium falciparum, P. malariae in humans, possible correlations between malarial infection, host malnutrition and immunoglobulin G concentrations

Proteins, Blood
Coop, R. L.; Sykes, A. R.; and Angus, K. W., 1977, Research Vet. Sc., v. 23 (1), 76-83
Ostertagia circumcincta, sheep (exper.), continuous small infections, clinical observations, body weight and food intake, worm populations and faecal egg count, pathology, concentrations of serum constituents and assessment of their value in diagnosis of sub-clinical ostertagiasis

Proteins, Blood
Cornille-Brogger, R., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 515-516
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Luckins, A. G., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 337-344
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intraperitoneally implanted metacestodes of Taenia taeniaeformis or T. crassiceps (but not Echinococcus granulosus cysts) provoked high resistance to oral challenge with T. taeniaeformis eggs, resistance passively transferred with serum (IgG_1 and IgM most effective), cysticerci implanted into rats with hepatic infections were killed and encapsulated, repeated inoculation of immune serum had no effect on survival of implanted cysticerci

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Ascaridia galli, immature stages, chickens (exper.), serum enzymes (alkaline and acid phosphatase, cholinesterase) and gamma globulin levels, histochemical changes, diagnostic value, results indicate significant rise of serum alkaline phosphatase and parallel histochemical changes; acid phosphatase, cholinesterase, and gamma globulin not useful in diagnosis

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Theileria annulata-infected lymphocytes, continuous line culture, globulin-producing cells

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Plasmodium berghei-infected mice, depression of immune responsiveness to sheep erythrocytes, tolerance induced during period of severe immunosuppression, responsiveness restored with chloroquine cure, elevated levels of nonspecific antibodies produced during immunosuppression, possible relationship between hyperimmunoglobulinemia and immunosuppression

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parasitized children with protein-calorie malnutrition, complete blood count, serum immunoglobulin concentration, significant relationship between intensity of parasitism and Ig levels: Brazil

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Leishmania enriettii in guinea pigs (exper.), use of indirect immunofluorescence to demonstrate antibody response during infection, to detect presence of parasites, gamma-globulin and complement during active infection and during healing process; antibody detected in primary lesions unrelated to healing process or pathogenesis of tissue damage

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determinations of total serum IgE levels in humans with amoebic liver abscess or other parasitic infections

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human falciparum malaria, effect of parasitism untreated for 2-4 days or 5-10 days on the host serum protein pattern, hematocrit levels, SGOT activity, and blood creatinine; measurement of these parameters may give evidence of duration and severity of infection

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Trypanosoma cruzi, acute infection in exper. rhesus monkeys, vaccination with killed extract of cultural forms produced circulating antibodies and induced delayed hypersensitivity but monkeys still developed sustained parasitemia, changes in IgM and other hematologic responses

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Trypanosoma brucei gambiense, relative efficiency of IgM and IgG-type antibodies in presence and absence of complement compared on weight basis by both agglutination and in vitro protection tests, ability to passively transfer immunity in vivo also compared, hypothesized that IgM is responsible for relapse phenomena observed in blood while IgG is more active in extravascular locations

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ascarids, toxic substances in metabolic products producing changes in blood serum proteins in various strains of rats as reflecting genotypical differences among strains

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Fasciola hepatica, sheep exposed to preliminary and challenge infections, pathophysiology (circulating eosinophils, plasma proteins, and glutamate dehydrogenase, voluntary dry matter intake, plasma loss in feces), no evidence of acquired resistance to physiological effects of infection

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Nippostrongylus brasiliensis, rats, systemic and local antibody response, specific antiparasite binding capacity of IgA and IgG in intestinal mucosa and serum measured by radioimmunoassay, results compared with total levels of IgA and IgG and hemagglutinating and precipitating antibody titers, indirect evidence that local IgA may be part of effector mechanism

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Schistosoma mansoni adults, $7S_{\gamma 2b}$ antibody attached to and in the integument does not seem to fix complement, may act in enhancing and blocking roles which protect worms from host

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specific agglutinins and immunoglobulin levels in congenital Chagas infections

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Giardia lamblia causing diarrhea or coeliac like symptoms in children, immunoelectrophoretic patterns of serum proteins excreted in feces

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infections of newborn children (including toxoplasmosis), importance of quantitative immunoglobulin determinations (IgM, IgA) in diagnosis and therapy

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Plasmodium spp. sporozoites, motility, locomotion, movement, effects of several factors (parasite species, oocyst vs. salivary gland sporozoites, presence of albumin or globulins, temperature), relationship to infectivity, immunogenicity (circumsporozoite precipitate reaction), and secretory activity

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Trypanosoma evansi, buffalo calves (exper.), serum protein changes (decrease in albumin and alpha globulin, increase in beta and gamma globulins)

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fluorescence microscopy of small intestines of commercially slaughtered sheep and of Nippostrongylus brasiliensis-infected rats, concluded that globule leucocytes do not contain immunoglobulin

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Schistosoma haematobium, human, elevated plasma IgE levels: The Gambia

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Schistosoma haematobium in heavily infected population, decreased response rate in delayed hypersensitivity reactions with depressed response of lymphocytes to phytohaemagglutinin, increased IgG and IgM and presence of rheumatoid factor; concluded that chronic schistosomiasis can lead to state of partial immunosuppression: The Gambia

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Amblyomma maculatum, effects of high and low tick infestations on blood composition and weights of steers fed a standardized diet; decreased numbers of ticks on cattle over time, possibly due to acquired resistance

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Cysticercus cellulosae from pigs, antigens prepared from scolices induce in vitro proliferation of spleen lymphocytes from immunized and control mice, antigen mixture from scolices contains host serum proteins among them pig IgG, preliminary studies with electron microscope demonstrate presence of pig IgG on microvilli of external larval wall

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Taenia solium, immunoglobulin and other host serum proteins on cysticercus surface identified by ultrastructural immunoenzyme technique

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European with suspected pyrimethamine-resistant malaria, serological study (flurorescent antibody test, C-reactive protein, precipitin test, immunoglobulin levels), precipitating antibodies demonstrated against two specific malarial antigens, differences from antibodies seen in sera from repeatedly infected Africans: The Gambia, West Africa

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Schistosoma japonicum, immunofluorescence of circumoval precipitate, all three major Ig classes found to participate in formation of precipitate (IgA < IgG < IgM), IgE and C3 also contributed

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Toxoplasma gondii, guidebook for physicians and veterinarians, morphology, life cycle, diagnosis, epidemiology, pathology, prenatal infection, veterinary aspects, extensive review

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Cheyletiella parasitivorax, cause of itching skin eruption in persons in close contact with infested animals, case report, clinical aspects, treatment with derris: Norway

Pruritus
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Myobia musculi, mouse breeding colony, dermatitis characterized by intense pruritus leading to self-mutilation and death, pathogenicity varies according to sex, age, mating ratios, sensitivity and strain of mice, dichlorvos + ronnel, good results

Pruritus
Limbos, P., 1971, Medecine Afrique Noire, v. 18 (3), 269-271
Onchocerca volvulus, pruritus and skin manifestations in human onchocerciasis, variations between Europeans and Africans, differential diagnosis

Pruritus
MacDonald, D. M.; and Morrison, J. G. L., 1976, Brit. Med. J. (6036), v. 2, 619-620
cutaneous human schistosomiasis due to ectopic ova manifesting as pruritic papular lesions, case reports, clinical management, treated with niridazole, probable migration route to skin suggested

Pruritus
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Cheyletiella larvae causing persistent pruritus ani in man, relief of symptoms with betamethasone after previous therapy with pyrvinium and aphtiria unsuccessful: Paris

Pruritus
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severe pruritus with papular eruptions of 1-year's duration in man finally diagnosed as scabies after immature Sarcoptes scabiei found in cross section of papular biopsy, case history, cure with gamma benzene hexachloride: Pennsylvania

Pruritus
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Schistosoma mansoni, dermatologic manifestations, clinical review, case reports

Pseudoparasites. [See also Parasites, Accidental]

Pseudoparasites
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human case of endoabdominal cyst containing ciliated cells in cyst liquid, cells detached from cyst wall in breakdown process, superficially resembling protozoa

Psychiatry. See Mental disorders.

Public health. [See also Sanitation and Hygiene]

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Arambulo, P. V. III; and Steele, J. H., 1976, Internat. J. Zoonoses, v. 3 (2), 114-144
parasitic infection, urban dogs, environmental health impact, survey of feces deposited in residential area and of dog autopsies: Houston, Texas

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pros and cons of published prophylactic measures for control of Echinococcus granulosus in humans and dogs

Public health
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control program for human echinococcosis in Tasmania, problems of health education of public

Public health
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technique for recovery of Toxocara spp. ova from soil in order to assess environmental contamination

Public health
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intestinal helminths of dogs, potential as contributors to public health problems: Lahore, West Pakistan

Public health
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Schistosoma mansoni, public health importance of possible spread of schistosomiasis from neighboring areas as result of hydroelectric projects currently being constructed, possible control measures: provincia de Misiones, Argentina

Public health
Camerlynck, P.; Alaoui, A.; and Benmansour, N. 1974, Maroc Med. (585), v. 54, 641-649
Schistosoma haematobium, epidemiological survey, public health importance, intermediate hosts, increased transmission with improved irrigation systems: Province Beni-Mellal, Maroc

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Toxocara canis, T. cati, potential importance of infection in dogs and cats to public health, review: New Zealand

Public health
Charters, A. D., 1970, Med. J. Australia, v. 2 (20), 919-922
Wuchereria bancrofti filariasis in immigrants living in Western Australia; case reports including woman who experienced chyluria with each of 7 pregnancies; public health importance of increasing immigration from endemic areas

Public health
Charters, A. D.; et al., 1972, Med. J. Australia, v. 1 (6), 268-271
Loa loa and Acanthocheilonema perstans adult worms recovered from calabar swellings in persons who previously had been employed in Nigeria, public health importance in possible transfer of disease entity from endemic areas: Western Australia

Public health
Chen, P. C. Y., 1969, Med. J. Malaya, v. 23 (3), 159-168
survey of various methods used by rural households to dispose of human excreta, public health implications in spread of human helminths: Malaya

Public health
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fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated: Fort Ord, California

Public health
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parbendazole, mebendazole, cambendazole, teratogenic activity on embryos exper. established in rat and mouse, antimitotic properties demonstrated in vivo and in vitro on mouse tumors, implications for use in animals whose flesh or products (eggs, milk) are consumed by man

Public health
Dritz, S. K.; et al., 1977, Lancet, London (8027), v. 2, 3-4
human amoebiasis, increasing incidence of sexually transmitted enteric infections in persons with no common food source, public health efforts to control spread and treat infections have been unsuccessful: San Francisco, California

Public health
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series of 16 persons with Toxoplasma gondii infection, possible etiological factors of domestic pets and nearby polluted water, suggested improved hygiene as public health factor: Newcastle, New South Wales, Australia

Public health
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Euschoengastia n. sp. 8, recovered from several hosts, possible public health importance, habitat, seasonal variance; control on horse with application of methoxychlor solution: Oregon

Public health
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Onchocerca volvulus, epidemiologic survey of inhabitants of 121 communities over 3-year period for incidence and risk of blindness associated with onchocerciasis infection, importance as public health problem, results show 50% increased risk associated with exposure to parasites: Liberia

Public health
Genchi, C., 1976, Arch. Vet. Ital., v. 27 (3-4), 98-99
dog intestinal helminth ova, incidence in soil samples in public parks, potential public health problem: Milan

Public health
Genchi, C.; and Locatelli, A., 1972, Atti Soc. Ital. Sc. Vet., v. 28, 862-863
dog helminth eggs, contaminated samples from public parks, potential source of infection for humans and domestic animals: Milan

Public health
Goel, K. M.; et al., 1977, Brit. Med. J. (6062), v. 1, 676-679
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pathogenic parasitism discovered in immigrant food handlers, public health implications, hygiene measures implemented by employing food factory: England

Public health
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echinococcosis, toxoplasmosis, world wide control, economic and public health importance, brief review

Public health
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Public health
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fecal examination of 436 unselected patients in local hospital reveals high incidence of Schistosoma mansoni infections, and constitutes serious public health problem: Luampa Mission, Zambia

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Public health
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Public health
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Public health
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Ascaris lumbricoides, successful elimination of infection through epidemiologic measures, health education and treatment of infected persons: Hungary

Public health
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Public health
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Public health
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Public health
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Public health
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Public health
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Public health
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multiple articles focusing on human malaria in Papua New Guinea (epidemiology, public health, control programs, vectors, diagnosis, toxicity of antimalarials, statistics of surveys)

Public health
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Public health
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national anti-echinococcosis campaign, public education, control of dogs, control of slaughter; almost total elimination in food animals born since initiation of campaign: Cyprus

Public health
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Public health
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cestodes in fish flesh for human use as hygienic and esthetic problems, control, review

Public health
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Sarcoptes scabiei, increasing incidence in humans according to survey of cases 1960-1969 probably resulting from decreased interest shown by health departments and decreased ability of doctors to diagnose condition: Santiago, Chile

Public health
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Giardia lamblia, communitywide outbreak of human giardiasis with incrimination of public water supply as source of contamination, possibility of water supply contaminated by human waste; cyst found in water supply and dogs experimentally infected with samples of raw water from the city reservoir: Rome, New York

Public health
Smythe, R. H., 1977, Vet. Rec., v. 100 (12), 251-252 [Letter]
Toxocara, dogs, resulting excrement following worming may provide means for human infection

Public health
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Echinococcus granulosus, Oestrus ovis, zoonoses, public health, past and present: Cyprus

Public health
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Public health
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Public health
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Public health
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Public health
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fecal and blood survey of international students and students who had returned from foreign travel for prevalence of endoparasites; importance of diagnostic awareness and likelihood of importation of parasitic infections by similar student groups: University of California, Davis

Public health
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Trichinella spiralis in Ursus americanus, age prevalence rates, intensity of infection, public health hazard: California; Idaho; Wisconsin

Pyrexia. See Fever.

Quebec. See Canada, Quebec.

Queensland. See Australia, Queensland.

RNA. See Nucleic acids.

Racial stocks. See Ethnic groups and racial stocks.

Radiation. [See also Autoradiography; Radioisotopes]

Radiation
Bajwa, R. S.; and Gill, B. S., 1977, Ann. Recherches Vet., v. 8 (2), 181-186
Eimeria tenella, progeny of irradiated oocysts, sporulation rate, pathogenicity, immunogenicity, reproductive potential, concluded that radiation effects are not transmissible to progeny

Radiation
Bishop, J. P.; and Kuttler, K. L., 1974, J. Protozool., v. 21 (5), 758-760
Babesia rodhaini, effect of irradiation on infectivity dependent upon irradiation dose, development of acquired resistance after inoculation of irradiated parasitized blood, mice

Radiation
Brambilla, E.; Galli, L.; and Caprotti, M., 1974, Riv. Parassitol., Roma, v. 35 (4), 237-244
Plasmodium berghei in Mus musculus subject to thermal stress or whole-body irradiation, lower dose of chloroquine is therapeutically effective

Radiation
Casarosa, L.; Lugetti, G.; and Marconcini, A., 1973, Isotopes and Radiation Parasitol. III, 113-126
Ascaris suum, guinea pigs vaccinated and then subjected to whole-body irradiation, enteric wall reactivity against challenge, relationship to in vitro adherence reaction

Radiation
Castro, E. R.; and Canabez, F., 1968, Bol. Chileno Parasitol., v. 23 (1-2), 23-25
Anaplasma marginale, splenectomized and normal bovines, infectivity of whole blood not destroyed by treatment with gamma ray radiation

Radiation
Castro, E. R.; and Canabez, F., 1968, Bol. Chileno Parasitol., v. 23 (1-2), 30-33
Babesia bigemina in splenectomized and normal bovines, effects of various levels of radiation on infectivity of whole blood

Radiation
Conder, G. A.; and Duszynski, D. W., 1977, J. Parasitol., v. 63 (2), 206-209
Eimeria nieschulzi, oocysts exposed to heat and/or Co-60 gamma-radiation, attenuation, reduced pathogenesis, subsequent immunity to challenge, rats

Radiation
Conder, G. A.; and Duszynski, D. W., 1977, J. Protozool., v. 24 (1), 177-181
Eimeria nieschulzi, effects of heat and cobalt-60 gamma-radiation on oocyst structure and sporozoite excystation

Radiation
Cover, B.; Gutteridge, W. E.; and Wharton, F. P., 1977, Parasitology, v. 75 (2), xxx-xxxi [Abstract]
Trypanosoma cruzi, course of infection and distribution in irradiated rats

Radiation
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Eimeria falciformis, effects of cobalt irradiation on infectivity and immunogenicity of sporulated oocysts, mice

Radiation
Cunningham, M. P.; et al., 1973, Isotopes and Radiation Parasitol. III, 145-154
Theileria parva harvested from infected Rhipicephalus appendiculatus, relationship between number of infective particles inoculated into cattle and severity of ensuing infection; effects of irradiation at various doses on suspensions of infective particles of high or low concentration subsequently inoculated into cattle

Radiation
Cunningham, M. P.; et al., 1973, J. Protozool., v. 20 (2), 298-300
Theileria parva infective particles harvested from Rhipicephalus appendiculatus using an in vitro feeding technique and subjected to cobalt irradiation, increasing doses of irradiation destroyed increasing numbers of IP's, no evidence that IP's which survived were attenuated, appears unlikely that vaccination against East Coast fever could be achieved using these methods

Radiation
Darrow, D. I.; Gladney, W. J.; and Dawkins, C. C., 1976, Ann. Entom. Soc. Am., v. 69 (1), 106-108
Amblyomma americanum, males, adverse effects of irradiation on mating capacity and mating competitiveness indicates sterilization by this method does not appear to be feasible way to produce competitive ticks for use in sterile male technique

Radiation
Daskalov, P.; and Mutafova, T., 1972, Izvest. Tsentral. Khelmint. Lab., v. 15, 69-80
Haemonchus contortus, effect of ultraviolet and gamma rays and refrigeration on infective larvae of different morphological types of females

Radiation
Doby, J. M.; Rault, B.; and Barker, R., 1975, Compt. Rend. Soc. Biol., Paris, v. 169 (4), 1053-1056
Thelohania apodemi, intense autofluorescence in presence of ultraviolet radiation, probably due to presence of chitin in spore wall

Radiation
  Duxbury, R. E.; Sadun, E. H.; and West, J. E., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 484-485
    Trypanosoma rhodesiense, mice, neutron and gamma radiation of trypanosomes for immunization

Radiation
  Forrester, D. J., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 171-174
    Heligmosomoides polygyrus, blood changes in irradiated experimentally infected mice

Radiation
  Fregene, A. O.; et al., 1975, J. Parasitol., v. 61 (6), 1070-1073
    comparative responses of radioattenuated Trypanosoma brucei and T. congolense in rats: radiation sensitivity with respect to infectivity; immunogenicity

Radiation
  Gaur, S. N. S.; and Dutt, S. C., 1975, Indian Vet. J., v. 52 (6), 474-477
    mice fed with irradiated Ascaris suum eggs, reduced size, motility, and longevity of resulting migrating A. suum juveniles recovered from liver and lungs

Radiation
  Gaur, S. N. S.; Dutt, S. C.; and Sokolic, A., 1975, Ceylon Vet. J., v. 23 (3-4), 46-48
    Ascaris suum, mice, attenuation of eggs with various doses of gamma-rays, infectivity of developing larvae; preliminary to immunization studies

Radiation
  Ghandour, A. M.; and Webbe, G., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 10 [Demonstration]
    Schistosoma mansoni, growth and development inhibited when irradiated with ultra-violet light

Radiation
  Ghandour, A. M.; and Webbe, G., 1975, J. Helminth., v. 49 (3), 153-159
    inimical effects of ultra-violet radiation on cercariae of Schistosoma mansoni and S. haematobium, increased mortality during penetration of host mouse skin, inhibited migration of schistosomula in lungs, no recovery of adult worms, possible practical significance

Radiation
  Ghandour, A. M.; and Webbe, G., 1975, J. Helminth., v. 49 (3), 161-165
    Schistosoma mansoni, fate of gamma-irradiated cercariae during migration as schistosomula in mice: penetration proceeded normally, migration and maturation inhibited, first site of damage in lungs but majority destroyed in liver

Radiation
  Gingrich, R. E., 1973, J. Med. Entom., v. 10 (5), 482-487
    Hypoderma lineatum, effects of host diet and immunosuppressant treatments (rabbit anti-mouse lymphocyte serum and whole-body irradiation) on survival and growth of larvae and on susceptibility of Mus musculus to infestation

Radiation
  Gregg, P.; Dineen, J. K.; and Griffiths, D. A., 1976, Vet. Parasitol., v. 2 (4), 363-375
    Trichostrongylus colubriformis in guinea pigs and sheep, effects of broad range of gamma-radiation dose levels on viability, infectivity, and pattern of infection

Radiation
  Hanson, W. L.; Chien, J. J.; and Chapman, W. L., jr., 1973, J. Protozool., v. 20 (4), 511
    Trypanosoma cruzi, Brazil strain exposed to various quantities of irradiation, ability to produce infections in cell cultures and in mice and to induce resistance in mice

Radiation
  Hoffman, G. L., 1975, J. Wildlife Dis., v. 11 (4), 505-507
    Myxosoma cerebralis, disinfection of contaminated water with ultraviolet radiation at 2 dose levels, marked reduction in incidence and severity of whirling disease in Salmo gairdneri

Radiation
  Hopkins, C. A.; and Law, M., 1976, Parasitology, v. 73 (2), xxix [Abstract]
    Hymenolepis diminuta, surgical transplantation into irradiated and immunized mice vs. naive mice

Radiation
  Hopkins, C. A.; and Zajac, A., 1976, Parasitology, v. 73 (1), 73-81
    Hymenolepis diminuta, transplanted into various classes of mice (naive mice receiving cortisone, naive mice, irradiated naive mice, immunized mice, irradiated immunized mice), differences in time course of rejection response, surgical stress as a possible source of error

Radiation
  Howells, R. E.; and Chiari, C. A., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 435-448
    Trypanosoma cruzi, 2 strains, investigation of differences between slender and stout trypomastigotes, infectivity of different forms to mice, relationship between inoculum size, length of pre-patent period, and course of parasitemia, influence of whole-body X-irradiation and splenectomy of host on course of infection

Radiation
  Ignoffo, C. M.; et al., 1977, Environment. Entom., v. 6 (3), 411-415
    Vairimorpha necatrix, inactivation by an ultraviolet light source

Radiation
Ilardi, A.; Guglielmi, S.; and Proietti, A.M., 1972, Parassitologia, v. 14 (2-3), 317-324
X-irradiation of Leishmania and leptomonas forms of strain 2S of Leishmania donovani, hamsters, protection increases as irradiation increases

Radiation
Irvin, A. D.; et al., 1973, Isotopes and Radiation Parasitol. III, 155-159
Theileria parva-macroschizont-infected bovine lymphoid cells inoculated into whole-body-irradiated mice, tumors containing macroschizont-infected lymphoid cells developed at inoculation site, no evidence that parasites had invaded mouse cells nor that mouse cells were involved in tumor formation, parasitized cells from tumors successfully transferred back to tissue culture and into other irradiated mice

Radiation
Irvin, A. D.; et al., 1977, Vet. Parasitol., v. 3 (2), 141-160
Theileria parva-infected lymphoid cells grown in culture inoculated by different routes into neonatal and adult immunosuppressed Swiss mice and into irradiated and non-irradiated athymic (nude) mice, successful establishment and passage in irradiated nude mice indicate potential usefulness of this model

Radiation
Kumagai, Y.; Kumagai, R.; and Mori, N., 1974, Nihon Univ. J. Med., v. 16 (3), 229-240
Ascaris suis, effect of Co-gamma rays on cleavage and development

Radiation
Lim, H. K.; Heyneman, D.; and Jeong, K., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 137 [Demonstration]
Schistosoma mansoni in Biomphalaria glabrata (exper.), radiation of trematode within vector snails resulted in injury to schistosomes and changes in snail host cellular responses

Radiation
McDonald, V.; and Phillips, R. S., 1977, J. Protozool., v. 24 (2), Suppl., 4A [Abstract]
Plasmodium chabaudi, mice, transfer of immune spleen cells and immune serum, protective activity was potentiated in irradiated hosts

Radiation
Motomura, I., 1967, Nettai Igaku (Trop. Med.), v. 9 (4), 201-225
Toxoplasma gondii, mice (exper.), survival comparisons of Beverley and RH strains under various physico-chemical conditions (osmotic pressure, pH, temperature, moisture, irradiation)

Radiation
Mugera, G. M.; Bitakaramire, P. K.; and Munyua, W. K., 1973, Isotopes and Radiation Parasitol. III, 129-137
cattle, immunization against East Coast fever using Theileria parva-infected Rhipicephalus appendiculatus irradiated at graded doses, comparison of immunity produced by attachment of ticks vs. inoculation of tick tissue, circulating antibodies demonstrated by capillary agglutination test

Radiation
Munyua, W. K.; Mugera, G. M.; and Bitakaramire, P. K., 1973, Bull. Epizoot. Dis. Africa, v. 21 (1), 75-85
cattle, pathogenesis and pathology of East Coast fever induced by gamma irradiated Theileria parva infected Rhipicephalus appendiculatus, immunogenesis

Radiation
Pesson, B.; and Leger, N., 1977, Ann. Parasitol., v. 52 (1), 78-80
Hymenolepis nana var. fraterna, fate in refractory host (Leucophaea maderae), inability of parasite to cross host intestinal wall and host hemocytic response as two components of host defensive reaction, former not suppressed by radiation of host but latter is suppressed

Radiation
Phillips, R. S.; and McDonald, V., 1977, Parasitology, v. 75 (2), xxiii-xxxiv [Abstract]
Plasmodium chabaudi in irradiated mice, depression of early primary parasitemia, nonspecific resistance

Radiation
Phillips, R. S.; Trigg, P. I.; and Gutteridge, W. E., 1973, Isotopes and Radiation Parasitol. III, 185-186
Plasmodium knowlesi-infected red cells exposed to gamma irradiation and incubated in in vitro culture, growth, rate of incorporation of radiotracers into parasite DNA, RNA, and protein, brief note

Radiation
Prah, S. K.; and James, C., 1977, J. Helminth., v. 51 (1), 73-85
Schistosoma mansoni, S. haematobium, influence of temperature, ultraviolet radiation, and aging on survival and infectivity of miracidia, profound effect but unlikely to be of importance in transmission in the field

Radiation
Premvati, G.; and Chopra, A. K., 1977, Indian J. Zoot., v. 16 (1), 1975, 1-5
Nippostrongylus brasiliensis, infective larvae exposed to various doses of ultraviolet rays, development, sex ratio of adult worms, no resistance in rats challenged with lethal dose of untreated larvae subsequent to lethal dose of irradiated larvae

Radiation
Purnell, R. E.; et al., 1973, Isotopes and Radiation Parasitol. III, 139-144
Rhipicephalus appendiculatus (unfed nymphs; engorged nymphs; moulting nymphs; unfed adults), effects of irradiation assessed by evaluating subsequent performance of ticks when fed on rabbits (mortality, attachment, feeding, mating, egg-laying); effects of irradiation on Theileria parva in salivary glands of adult ticks

Radiation
Purnell, R. E.; et al., 1977, Parasitology, v. 75 (2), xxxi [Abstract]
Babesia divergens, effects of inoculating different numbers of piroplasms into splenectomized calves, comparison with reaction to irradiated parasites

Radiation
Ramachandran, C. P., 1975, Kajian Vet., v. 7 (1), 31-38
helminths, immunization with radiation attenuated vaccines, review

Radiation
Rao, Y. V. B. G.; Mehta, K.; and Subrahmanyam, D., 1977, Exper. Parasitol., v. 43 (1), 39-44
Litomosoides carinii, albino rats, effects of irradiation on development of infective larvae, immunization with irradiated infective larvae, immune response in vaccinated animals, effect of irradiation on microfilariae, effect of immunization with irradiated microfilariae

Radiation
Rehbinder, C., 1977, Acta Vet. Scand., v. 18 (1), 75-85
Cephenomyia trompe larvae, reindeer (exper.) (conjunctival sac), conjunctivitis, keratitis only with natural ultraviolet radiation as enhancing factor

Radiation
Richey, T. J.; and Rodriguez, P. H., 1976, J. Parasitol., v. 62 (4), 655-656
Brugia pahangi in Aedes aegypti, effects of gamma radiation on development

Radiation
Rieckmann, K. H.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 258-259 [Letter]
Plasmodium falciparum, sporozoite induced immunity in human using infected irradiated mosquitoes

Radiation
Shikhobalova, N. P.; and Paruzhinskaia, L. S., 1969, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 20, 191-194
Trichocephalus muris, change in radiosensitivity of eggs as a result of irradiation in successive generations

Radiation
Shikhobalova, N. P.; and Korsak-Paruzhinskaia, L. S., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 204-214
Ascaridia galli, Ganguleterakis spumosa, Trichocephalus muris, ionizing radiation of eggs, postradiation effect of high and low temperatures on radiosensitivity as evidenced by development; radiation as possible control of helminths

Radiation
Srivastava, P. S.; and Sharma, N. N., 1976, Internat. J. Radiation Biol., v. 29 (2), 159-168
Hyalomma anatolicum, effects of ^{60}Co irradiation on development; 1000 R to ticks infected with Theileria annulata failed to prevent transmission to calves

Radiation
Srivastava, P. S.; and Sharma, N. N., 1976, Internat. J. Radiation Biol., v. 29 (3), 241-248
Hyalomma anatolicum, unfed adults and engorged females, effect of ^{60}Co irradiation on engorgement and reproduction

Radiation
Srivastava, P. S.; and Sharma, N. N., 1977, Vet. Parasitol., v. 3 (2), 183-188
Theileria annulata in salivary gland suspensions of Hyalomma anatolicum, attenuation by cobalt-60 irradiation, further investigations needed to test suitability of technique for immunoprophylaxis

Radiation
Sternberg, S.; Peleg, B. A.; and Galun, R., 1973, J. Med. Entom., v. 10 (2), 137-142
Argas persicus, irradiation of males produces decreased fertility and egg hatching, not effective as tick control due to lowered competitiveness after first round of mating and aspermia; irradiated Ornithodoros tholozani males also ceased to mate after the first or second mating

Radiation
Teetor, G. E.; and Kramer, J. P., 1977, J. Invert. Path., v. 30 (3), 348-353
Octosporea muscaedomesticae, effect of ultraviolet radiation on naked spores, on various stages within host (Phormia regina), and on spores in host feces (survival, infectivity, development), uv-protective function ascribed to components provided by host's tissues and feces

Radiation
Tomanek, J., 1974, Acta Vet. Brno, v. 43 (1), 47-52
guinea-pigs orally infected with irradiated and non-irradiated Dictyocaulus filaria larvae, development of resulting larvae recovered from lungs; decreased larval counts with increased X-ray exposure, greater survival of female worms, implications for use in immunization

Radiation
Tomanek, J.; and Franek, M., 1975, Acta Vet. Brno, v. 44 (4), 393-399
Dictyocaulus filaria, presence of complement-fixing antibodies in immunoglobulin fractions of sera from lambs, during primary and secondary response to infection with non-irradiated and X-irradiated larvae

Radiation
Tomanek, J.; and Sedlacek, M., 1975, Acta Vet. Brno, v. 44 (1-2), 123-129
Dictyocaulus filaria larvae, X-irradiation, radiosensitivity, larval concentration, fecal contamination, temperature, salinity, aeration

Radiation
Varma, T. K.; and Rao, B. V., 1974, Indian Vet. J., v. 51 (1), 47-53
Taenia hydatigena, cystic and strobilar stages exposed to various doses of gamma irradiation, growth and development, preliminary immunization experiments, pups, lambs

Radiation
Verster, A.; Du Plessis, T. A.; and van den Heever, L. W., 1976, Onderstepoort J. Vet. Research, v. 43 (1), 23-26
Taenia solium cysticerci, gamma radiation effects, adverse effect on ability to evaginate in vitro, inhibition of division of neck region cells to form new proglottids in infected guinea pigs; radiation as possible means to render meat fit for human consumption

Radiation
Wakelin, D.; and Selby, G. R., 1976, Parasitology, v. 72 (1), 41-50
Trichuris muris, immune expulsion from resistant mice, suppression by irradiation, attempts to restore by transfer of mesenteric lymph node cells, bone marrow, or immune serum, results confirm involvement of both antibody-mediated and lymphoid cell-mediated phases in immune expulsion

Radiation
Wright, A. C.; and Levy, C. K., 1974, J. Protozool., v. 21 (3), 424 [Abstract]
Eimeria falciformis, experiments to determine the extent to which age of unsporulated oocysts affects their responses to ^{60}Co gamma irradiation, possible effect of prior cold storage upon results

Radioautography. See Autoradiography.

Radioisotopes. [See also Autoradiography; Radiation; Tagging]

Radioisotopes
Areekul, S., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 144-145
Ancylostoma caninum in dogs (exper.), estimation of blood loss caused by parasitemia using ^{51}Cr-labelled red cells

Radioisotopes
Brodie, R. R.; et al., 1977, Arzneimittel-Forsch., v. 27 (3), 593-598
^{14}C-labelled ciclobendazole as anthelmintic, rats and dogs, retention and secretion of radioactivity as measure of localization, retention, metabolism and secretion of drug

Radioisotopes
Butterworth, A. E.; et al., 1976, Clin. and Exper. Immunol., v. 25 (1), 95-102
Schistosoma mansoni, technique for estimating antibody-dependent cell-mediated damage to schistosomula by measuring release of ^{51}Cr from labelled organisms, time course of development of cell-dependent cytotoxic activity in sera of infected baboons

Radioisotopes
Christensen, N. O.; Frandsen, F.; and Nansen, P., 1977, J. Helminth., v. 51 (2), 105-113
Schistosoma mansoni, S. intercalatum, comparative efficiency of 5 different methods of infection of mice, description of new radioisotope assay for cercarial host-finding capacity

Radioisotopes
Christensen, N. O.; Frandsen, F.; and Nansen, P., 1977, J. Parasitol., v. 63 (1), 165-166
Schistosoma intercalatum, method for in vivo labeling of miracidia with radioselenium using ^{75}Se-methionine

Radioisotopes
Cuperlovic, K., 1975, Acta Vet. Beograd, v. 25 (5), 219-227
Fasciola hepatica, uptake and incorporation of ^{75}Se-L-selenomethionine and ^{14}C-L-lysine into protein antigens

Radioisotopes
Dargie, J. D., 1975, Symposia Brit. Soc. Parasitol., v. 13, 1-26
helminth diseases of sheep, red cell and plasma protein metabolism, anaemia, applications of radioisotopic methods, extensive review with particular emphasis on Fasciola hepatica and Haemonchus contortus

Radioisotopes
Decker, J. E.; and Schrot, J. R., 1976, J. Protozool., v. 23 (2), 18A-19A [Abstract]
Leishmania donovani, L. braziliensis, L. tropica, rapid identification by radiorespirometry

Radioisotopes
Decker, J. E.; Schrot, J. R.; and Levin, G. V., 1977, J. Protozool., v. 24 (3), 463-470
Leishmania spp., radiorespirometric technique has potential for rapid identification of species and strains

Radioisotopes
Kir'iakova, A. N., 1970, Parazitologiia, Leningrad, v. 4 (3), 267-270
Xenopsylla skrjabini, adults receiving radioactive methionine through feeding on Rhombomys opimus and white mice, transmission of isotope to eggs, larvae, and pupae for two generations

Radioisotopes
Kuhn, R. E.; and Vaughn, R. T., 1976, Internat. J. Parasitol., v. 6 (2), 129-134
Trypanosoma cruzi, development of indirect assay suitable for studies on immune-mediated trypanosome destruction in vitro, application to complement-dependent antibody-mediated lysis, possible utility in lymphocyte-mediated cytotoxicity and in diagnosis

Radioisotopes
Lengyel, A.; and Janko, M., 1971, Parasitol. Hungar., v. 4, 73-86
mode of action of antiparasitic agents on human parasites and use of radioisotopes in drug investigations, review

Radioisotopes
Nansen, P.; Christensen, N. O.; and Frandsen, F., 1976, Ztschr. Parasitenk., v. 49 (1), 73-80
Fasciola hepatica, in vivo labelling of miracidiae with radioselenium, administered intraperitoneally in mice, no apparent effects on hatching, motility, or infectivity to snails, possible use in studies of host location and other aspects of parasite-snail contact

Radioisotopes
Nansen, P.; Frandsen, F.; and Christensen, N. O., 1976, Parasitology, v. 72 (2), 163-171
Fasciola hepatica, various common freshwater molluscs exposed to miracidia labelled with radioselenium, differential incorporation of radioactivity, evidence for chemical attraction of miracidia to hosts

Radioisotopes
Nemeseri, L., 1971, Parasitol. Hungar., v. 4, 87-95
advances in parasitological investigations using electron microscope, radioisotopes and new culture methods, review

Radioisotopes
Payet, M.; Sankale, M.; and Ancelle, J. P., 1970, Medecine Afrique Noire, v. 17 (3), 219-224
medical management of amoebic hepatic abscesses, case reports, evaluation of treatment using scintography

Radioisotopes
Pfefferkorn, E. R.; and Pfefferkorn, L. C., 1977, J. Protozool., v. 24 (3), 449-453
Toxoplasma gondii, specific labelling of intracellular parasites with radioactive uracil, not significantly incorporated into nucleic acids of human fibroblast host cells

Radioisotopes
Preston, P. J.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 17 [Demonstration]
Nippostrongylus brasiliensis, in vitro and in vivo, isotope scanning, potential for study of parasite migration and behavior in living host

Radioisotopes
Preston, P. J.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 289-290 [Letter]
Nippostrongylus brasiliensis, isotopic scanning technique whereby life cycle and migration of nematode parasites can be studied within living host

Radioisotopes
Purnell, R. E.; Sansom, B. F.; and Sellwood, S. A., 1973, Isotopes and Radiation Parasitol. III, 161-163
Theileria parva infective particles harvested from Rhipicephalus appendiculatus, possible technique for quantitative assay by labelling with ^{3}H-thymidine

Radioisotopes
Razzak, M. A.; and Hassaballa, N., 1976, Tropenmed. u. Parasitol., v. 27 (3), 343-348
human hepatosplenic schistosomiasis, radionuclide scanning of spleen performed using heat-treated ^{51}Cr tagged red cells, sequestration of thermally altered erythrocytes was greater in patients with enlarged spleens and in those with more marked anemia

Radioisotopes
Reid, W. A.; Phillips, S. M.; and Roscinski, R. J., 1977, Exper. Parasitol., v. 42 (2), 331-342
Schistosoma mansoni, radioisotope uptake and retention by cercariae and developing schistosomules, evaluation of this methodology for identifying selective worm populations and their products for prolonged periods of time

Radioisotopes
Sanderson, C. J.; Lopez, A. F.; and Moreno, M. M. B., 1977, Nature, London (5618), v. 268, 340-341 [Letter]
Trypanosoma cruzi, isotopic technique for assaying killing of epimastigotes in which criterion of parasite death is release of macromolecular RNA, use of assay to investigate nature of effector cell killing T. cruzi in antibody-dependent complement-independent system, eosinophils show strong activity, whereas lymphoid K cells seem to have insignificant activity

Radioisotopes
Simpson, A. M.; and Simpson, L., 1974, J. Protozool., v. 21 (2), 379-382
continuous labeling of Crithidia fasciculata DNA with [^{3}H]thymidine is hindered by apparent presence of a thymidine phosphorylase-like enzyme activity

Radioisotopes
Stadler, B.; et al., 1976, Ztschr. Immunitaetsforsch., v. 152 (2), 117-118 [Abstract]
Leishmania tropica, internal labelling with ^{3}H-thymidine in order to study attachment to vs. phagocytosis by macrophages in vitro under different conditions (with and without antibodies, activation of macrophages, etc.)

Radioisotopes
Tewari, H. C.; Singh, K. S.; and Sharma, B. K., 1977, J. Nuclear Agric. and Biol., v. 5 (4), 1976, 71-73
Schistosoma incognitum, rabbits (exper.), blood loss determination by the use of ^{51}Cr labelled red cells

Rearing, Arthropoda. See Technique, Rearing, Arthropoda.

Recovery of parasites. See Technique, Parasite collection and recovery.

Rectum. See Intestine.

Regeneration
Andersen, K., 1973, Norwegian J. Zool., v. 21 (4), 341-350
Diphyllobothrium dendriticum plerocercoids in Mesocrisetus auratus, Larus canus, and Alopex lagopus (exper. in all), frequency of primary vs. secondary strobilae in relation to host, age of worms, and density of infection compared with D. latum in M. auratus and A. lagopus and D. ditremum in M. auratus, primary strobilae appear in some individuals in response to unfavorable conditions; regeneration and/or growth studies show that rounded posterior segment in young D. dendriticum is not necessarily posterior 'end' of plerocercoid

Regeneration
Hess, E., 1975, Acta Trop., v. 32 (4), 290-295
Mesocestoides corti tetrathyridia, presence of large basophilic cells in various stages of mitosis, largest number behind suckers, importance in regeneration after amputation and in asexual reproduction by longitudinal fission

Regulations. See Legal medicine.

Reproduction. [See also Gametogenesis; Growth; Mitosis; Parthenogenesis; Sex and parasitism; Sterility]

Reproduction, Host
Anderson, G., 1977, Marine Biol., v. 42 (3), 239-251
Probopyrus pandalicola, energy flow in parasitized and unparasitized laboratory Palaemonetes pugio population, secondary reproduction, metabolism, ingestion and egestion; temperature, season, host age, sex, and reproductive condition, effect on energetics of host-parasite systems

Reproduction, Host
Apt, W.; Niedmann, G.; and Atias, A., 1968, Bol. Chileno Parasitol., v. 23 (3-4), 102-107
known or suspected Toxoplasma gondii infections in pregnant women, treatment during pregnancy with pyrimethamine combined with sulfa drugs, favorable results in selected clinical trials

Reproduction, Host
Atias, A.; and Saavedra, R., 1966, Bol. Chileno Parasitol., v. 21 (2), 30-34
Toxoplasma gondii, seroimmunologic survey for presence of infection in women with history of spontaneous and repeated abortions, frequency and serologic activity higher in these women than in controls

Reproduction, Host
Bajan, C.; et al., 1976, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 24 (3), 171-173
Pristionchus uniformis, influence on Colorado beetle, reduced number of eggs laid, protracted period of oviposition, reduced hatchability

Reproduction, Host
Bakke, T. A., 1972, Norwegian J. Zool., v. 20 (3), 165-188
Digenea of Larus canus, incidence and intensity, age of host, seasonal variation, distribution in alimentary canal; relationship to host habitat, food, and breeding behavior: Norway

Reproduction, Host
Bayer, R., 1977, Oesterr. Aerztztg., v. 32 (9), 595-600
human toxoplasmosis, considerations during pregnancy, clinical aspects, diagnosis and control measures, review

Reproduction, Host
Bazley, W. S., 1972, Obst. and Gynec., v. 39 (3), 362-367
Cysticercus cellulosae fatal cerebral cyst in woman 12 weeks pregnant, clinical case report, medical and prophylactic aspects: Arizona (native of Mexico)

Reproduction, Host
Buengener, W., 1975, Tropenmed. u. Parasitol., v. 26 (3), 291-294
Trypanosoma musculi strain passaged several years in mice (exper.), infection course and development in pregnant mice, Plasmodium berghei-infected mice, or normal mice given either heavy or weak infections

Reproduction, Host
Chen, P.; and Soulsby, E. J. L., 1976, Internat. J. Parasitol., v. 6 (2), 135-141
Haemonchus contortus infections in ewes during pregnancy, parturition, and lactation, blastogenic responses of peripheral blood leukocytes to non-specific mitogen, non-helminth antigens, and specific 3rd stage larval antigen, relationship to 'spring-rise' and 'self-cure' phenomena, possible hormonal factors

Reproduction, Host
Clark, B. L.; Dufty, J. H.; and Parsonson, I. M., 1977, Austral. Vet. J., v. 53 (4), 170-172
Tritrichomonas foetus var. brisbane, passive transmission from infected to non-infected cows during mating with non-infected bulls; application of T. foetus var. brisbane to vulva failed to cause genital infection in cows, suggests that parasite is unable to migrate to vagina

Reproduction, Host
Coggins, J. R.; and McDaniel, J. S., 1975, Proc. Oklahoma Acad. Sc., v. 55, 112-118
helminths of cotton rat, seasonal variation, host size, higher incidence in males, no significant difference in number or kind of parasite in pregnant females

Reproduction, Host
Crossland, N. O.; et al., 1977, Brit. Vet. J., v. 133 (5), 518-525
Fasciola hepatica, lowland sheep, oxyclozanide and molluscicide trifenmorph, increased productivity and weight gain, increased weight and number of lambs produced: United Kingdom

Reproduction, Host
Cummins, L. J., 1977, Austral. Vet. J., v. 53 (4), 200 [Letter]
cow fertility unaffected after lice treatment with famphur

Reproduction, Host
Cummins, L. J., 1977, Austral. Vet. J., v. 53 (8), 406-407 [Letter]
famphur applied to cattle during mating season for lice control, no effect on cow fertility

Reproduction, Host
Derkos-Mikulic, V., 1974, Acta Parasitol. Iugoslavica, v. 5 (2), 67-72
Toxoplasma gondii, survey of women of fertile age with Sabin-Feldman dye test, no difference in incidence between pregnant and non-pregnant women, higher number of positive reactions among women aged 30-40 than those aged 18-29: Zagreb

Reproduction, Host
DeVaney, J. A.; et al., 1977, Poultry Science, v. 56 (5), 1585-1590
Ornithonyssus sylviarum, White Leghorn roosters, infected and uninfected, mean body weight, reproductive potential studies, hematological values

Reproduction, Host
Fayer, R.; Johnson, A. J.; and Lunde, M., 1976, J. Infect. Dis., v. 134 (6), 624-628
Sarcocystis fusiformis, field bred cows (exper.), clinical and pathological signs of infection, occurrence of abortions, no evidence of congenital transmission to calves or fetuses; Sarcocystis may play significant role in bovine abortions

Reproduction, Host
Fudalewicz-Niemczyk, W.; et al., 1976, Acta Zootech., Bratislava (32), 5-19
gastrointestinal helminths, mountain sheep, nilverm and zanil, favorable influence on body weight and wool production of treated animals, no influence of treatment on fertility: Poland

Reproduction, Host
Furfaro, M.; Ferro, P.; and Maragliano, G., 1973, Minerva Ginec., v. 25 (3), 160-164
human Trichomonas vaginalis, mixed vaginal infections with Monilia, statistical survey, highest incidence during pregnancy with low incidence prior to puberty and after menopause

Reproduction, Host
Gallais, H.; and Erny, R., 1973, Medecine Interne, v. 8 (1), 62-64
human toxoplasmosis, complications of pregnancy

Reproduction, Host
Gibbs, H. C., 1977, Am. J. Vet. Research, v. 38 (4), 533-534
Haemonchus contortus, Ostertagia sp., sheep, "spring rise" in fecal egg counts, higher incidence in bred sheep than in unbred sheep, role of contaminated bedding: Maine

Reproduction, Host
Giordani, G.; Govoni, S.; and Bergami, W., 1977, Avicoltura, Bologna, v. 46 (1), 41-46
Eimeria spp., breeder hens, continuously fed sulphachloropyrazine + diaveridine + ethopabate, no undesirable effects on egg production, values statistically equal for control and coccidiostat fed birds

Reproduction, Host
Golvan, Y.-J.; et al., [1976], Ann. Parasitol., v. 50 (5), 1975, 617-628
Schistosoma mansoni in different strains of Biomphalaria glabrata, parasite and host fecundity

Reproduction, Host
Grudzien, M.; and Krauze, M., 1970, Polski Tygod. Lekar., v. 25 (3), 1133-1134
enterobiasis, survey of pregnant women for evidence of infection, recommendations for prophylactic measures and routine examinations in pregnancy: Poland

Reproduction, Host
Hausfater, G.; and Watson, D. F., 1976, Nature, London (5570), v. 262, 688-689
emission of parasite ova (primarily Trichuris and Trichostrongylus) by Papio cynocephalus in relation to host social and reproductive condition, high-ranking adult males had higher egg emission than more subordinate individuals, sexually cycling females had higher emissions than anoestrous females

Reproduction, Host
Hope Cawdery, M. J., 1976, Brit. Vet. J., v. 132 (6), 568-575
Fasciola hepatica, ewes, inverse relationship, fascioliasis mortality and pregnancy rate, increased pregnancy rate following treatment

Reproduction, Host
Isoun, T. T.; and Anosa, V. O., 1974, Tropenmed. u. Parasitol., v. 25 (4), 469-476
Trypanosoma vivax, sheep and goats (exper.), lesions in reproductive organs, implications for reproductive capacity of these animals in trypanosomiasis-endemic areas

Reproduction, Host
James, B. L., 1968, J. Nat. Hist., v. 2 (1), 21-37
Parvatrema homoeotecnum, percentage infection in Littorina saxatilis tenebrosa var. similis as affected by seasonal variations in host population density and correlation with host breeding cycle, migration, growth and mortality; brief comparisons with distribution in Microphallus similis and M. pygmaeus forms A and B: Twr Gwylanod, near Aberystwyth

Reproduction, Host
Javadian, E.; and Macdonald, W. W., 1974, Ann. Trop. Med. and Parasitol., v. 68 (4), 477-481
Brugia pahangi, Dirofilaria repens, infection as cause of reduced egg-production of Aedes aegypti

Reproduction, Host
Kicinski, J.; and Dymowska, Z., 1971, Polski Tygod. Lekar., v. 26 (34), 1319-1322
human toxoplasmosis, possible role in etiology of spontaneous abortions, value of testing women who have complications of pregnancy for possible latent infections

Reproduction, Host
Koplatadze, D. K.; and Gogiashvili, L. E., 1975, Soobshch. Akad. Nauk Gruzinsk. SSR, v. 80 (1), 205-208
toxoplasmosis, pregnant women, change of placenta ultrastructure (syncytium and trophoblast cells), can lead to death of placenta and interruption of pregnancy

Reproduction, Host
Kraeubig, H., 1976, Med. Klin., Berlin, v. 71 (15), 603-608
Toxoplasma gondii, humans, complications of pregnancy and congenital infections, clinical aspects

Reproduction, Host
Lancastre, F.; et al., 1976, Ann. Parasitol., v. 51 (2), 227-239
Schistosoma mansoni, infection of Biomphalaria glabrata with 2 miracidia either on the same day or with the second miracidium given on day 3, 7, or 16, mortality and cercarial emission in different groups, periodicity, effect of infection on host fecundity

Reproduction, Host
Langer, A.; and Hung, C. T., 1973, Obst. and Gynec., v. 42 (4), 564-567
human hookworm anemia associated with pregnancy, clinical management with tetrachlorethylene or with tetrachlorethylene and thiabendazole in Trichuris trichiura-associated infections

Reproduction, Host
LaPorte, V. D.; and Gibbs, R. S., 1977, Obst. and Gynec., v. 49 (1), suppl., 84-85
Ascaris lumbricoides, acute pancreatitis associated with ascariasis in 2 pregnant Vietnamese evacuees, clinical management: Virginia

Reproduction, Host
Lowenthal, M. N., 1971, Med. J. Zambia, v. 5 (5), 175, 177-178
successful treatment of pregnant woman infected with trypanosomiasis using antrypol and Mel B, new-borne infant in good health without abnormalities: Zambia

Reproduction, Host
Mahajan, R. C.; et al., 1976, Indian J. Med. Research, v. 64 (6), 797-800
possible role of Toxoplasma gondii in sporadic or habitual abortion of human pregnancy

Reproduction, Host
Menon, R., 1972, Med. J. Malaysia, v. 27 (2), 115-119
review of complications of pregnancy caused by malaria, advocation of routine prophylaxis as part of antenatal care: Malaysia

Reproduction, Host
Miles, C. T.; Foster, W. A.; and Christensen, H. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 531-532 [Letter]
Leishmania braziliensis, evidence that some vector Lutzomyia spp. may use host stimuli for sexual aggregation as well as blood feeding

Reproduction, Host
Munday, B. L., 1973, Med. J. Australia, v. 2 (11), 564
potential sources of Toxoplasma gondii infection for pregnant women and suggested control measures

Reproduction, Host
Palmer, A., 1976, Brit. J. Clin. Pract., v. 30 (1), 19-20
Plasmodium vivax, increased incidence of malaria with increased travel, implications if associated with pregnancy, need for diagnostic awareness: United Kingdom

Reproduction, Host
Plank, G.; Janko, M.; and Nemes, J., 1976, Orvosi Hetilap, v. 117 (28), 1705-1707
human toxoplasmosis, medical management during pregnancy

Reproduction, Host
Poggio, A.; Massano, A.; and Tanferna, M., 1972, Minerva Ginec., v. 24 (2), 57-60
Trichomonas vaginalis, human vaginal infection, possible association with sterility, need for interconjugal prophylaxis in presence of infection

Reproduction, Host
Preston, A. M.; and El-Khatib, S. M., 1977, J. Parasitol., v. 63 (5), 943-945
Schistosoma mansoni, mice, stress of pregnancy did not appear to increase number of worms developed as compared to non-pregnant controls

Reproduction, Host
Reid, J. F. S.; and Armour, J., 1975, J. Comp. Path., v. 85 (1), 163-170
Ostertagia circumcincta, breeding ewes, degree by which immune status varied on a seasonal basis (remained substantially immune to challenge), situation not altered by thiabendazole treatment

Reproduction, Host
Riemann, H. P.; et al., 1977, J. Am. Vet. Med. Ass., v. 171 (12), 1260-1264
Toxoplasma gondii, prevalence of Toxoplasma antibodies in sheep, higher incidence in breeding ewes than in lambs sent to market, management and environmental factors: California; Nevada; Idaho; Oregon

Reproduction, Host
Rosen, Y.; and Kim, B., 1974, Obst. and Gynec., v. 43 (3), 413-417
human Schistosoma mansoni salpingitis associated with tubal pregnancy and severe tubal deformities, clinical case report: New York City (native of St. Lucia)

Reproduction, Host
St. George, J., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 383-386
Dracunculus medinensis, retroplacental localization as cause of bleeding in pregnancy and possible cause of habitual abortion, 2 case reports: Nigeria

Reproduction, Host
Seed, J. R.; et al., 1976, Am. Midland Naturalist, v. 96 (2), 379-390
Trypanosoma brucei gambiense in Microtus montanus (exper.), role of spleen in host immunity; effect of infection (enlarged spleen, increase in adrenal weights, decrease in size of gonads), possible means of distinguishing parasite stress from other forms of natural population stress; possible relationship to reproductive potential and population density

Reproduction, Host
Shafer, N., 1975, N. York State J. Med., v. 75 (7), 1049-1061
Toxoplasma gondii in humans, extensive clinical review of current medical progress

Reproduction, Host
Shepherd, R. C. H.; and Edmonds, J. W., 1976, Austral. Wildlife Research, v. 3 (1), 29-44
Spilopsyllus cuniculi, establishment and spread after release on wild population of Oryctolagus cuniculus for possible control of rabbit population by myxoma virus, quicker spread when released during host breeding season, upon release myxoma-infected fleas did not become established, localization on hosts, 4 year period: Mallee region, Victoria

Reproduction, Host
Southern, P. M., jr., 1972, Obst. and Gynec., v. 39 (1), 45-47
Toxoplasma gondii, no evidence to support etiologic relationship between human toxoplasmosis and fetal wastage

Reproduction, Host
Spencer, L. T., 1974, Am. Midland Naturalist, v. 91 (2), 505-509
Polymorphus minutus, seasonal fluctuation and effect on reproduction in Gammarus lacustris: Sheep Lakes, Rocky Mountain National Park, Colorado

Reproduction, Host
Templeman, W.; Hodder, V. M.; and Fleming, A. M., 1976, J. Fish. Research Bd. Canada, v. 33 (4), part 1, 711-731
Lernaecera branchialis, seasonal distribution; localization of immature stages on lumpfish, adults on cod; adult infection rates on cod higher inshore than offshore, marker for host migrations; cod sexual maturity delayed by infection

Reproduction, Host
Van Geldorp, P. J. A.; and Schillhorn van Veen, T. W., 1976, Vet. Parasitol., v. 1 (3), 265-269
periparturient rise in faecal helminth egg counts of Udah sheep, suggested that increase was due to helminths (mainly Haemonchus sp.) which had been inhibited during dry season and resumed development at beginning of rainy season, rapid decline in egg counts 5-6 weeks after lambing considered to be due to self cure associated with high rainfall: Zaria area of Nigeria

Reproduction, Host
Waldeland, H., 1976, Acta Vet. Scand., v. 17 (4), 412-425
Toxoplasma gondii, sheep, importance as a cause of reproductive loss, main cause of abortion: Norway

Reproduction, Host
Waldeland, H., 1977, Acta Vet. Scand., v. 18 (2), 227-236
Toxoplasma, four breeding flocks of sheep, long-term (3-6 years) epidemiological studies, abnormal reproductive performance, increased prevalence with age, higher incidence in lowland pastures than in mountain pastures, lower incidence in summer than in winter: Norway

Reproduction, Host
Weisbroth, S. H.; Friedman, S.; and Scher, S., 1976, Lab. Animal Sc., v. 26 (5), 725-735
Myobia musculi-infested Mus musculus in breeding colony, histopathology of skin lesions probably allergic in character, exacerbation of lesions following reinfection of sensitized mice, treatment with dichlorvos-impregnated plastic strips abolished lesions and improved breeding performance

Reproduction, Host
Werner, H., 1968, Bol. Chileno Parasitol., v. 23 (3-4), 98-101
Toxoplasma gondii, human latent uterine toxoplasma infections with resulting congenital transmission, prospects for diagnosis, need for antitoxoplasma treatment of women who have had habitual abortions or suspected infections

Reproduction, Host
Windels, M. B.; Chiang, H. C.; and Furgala, B., 1976, J. Invert. Path., v. 27 (2), 239-242
Nosema pyrausta, infected pupa and adult Ostrinia nubilalis, adverse effect on host longevity, oviposition, fecundity and fertility

Reproduction, Host
Zerner, J.; and Barber, H. R. K., 1977, N. York State J. Med., v. 77 (3), 414-417
Wuchereria bancrofti in young Oriental woman, development of chyluria immediately postpartum with microfilaria discovered in blood and urine, clinical case report: New York City (immigrated 6 months earlier from Hong Kong)

Reproduction, Parasite
Abele, L. G.; and Gilchrist, S., 1977, Science (4298), v. 197, 81-83
Moniliformis dubius, report of homosexual rape, interpretation of this behavior and other aspects of biology of acanthocephalans in context of parental investment and sexual selection

Reproduction, Parasite
Ahluwalia, J. S., 1977, Indian J. Animal Sc., v. 45 (9), 1975, 706-708
Cooperia curticei, egg production in sheep measured by fecal counts and post mortem, can be as high as 2000/female/day

Reproduction, Parasite
Andersen, K., 1976, Fauna, Oslo, v. 29 (1), 1-20
helminth adaptation to life in vertebrate intestine, cysts, attachment organs, structure of tegument, immune response, site selection, evolution, extensive review

Reproduction, Parasite
Anderson, G., 1977, Marine Biol., v. 42 (3), 239-251
Probopyrus pandalicola, energy flow in parasitized and unparasitized laboratory Palaemonetes pugio population, secondary reproduction, metabolism, ingestion and egestion; temperature, season, host age, sex, and reproductive condition, effect on energetics of host-parasite systems

Reproduction, Parasite
Anya, A. O., 1976, Advances Parasitol., v. 14, 267-351
physiological aspects of reproduction in nematodes, extensive review: range of reproductive phenomena; reproductive system; male and female gametes; physiology of fertilization; development; sex differentiation; nutrition and other factors in egg production; behavioural aspects of reproduction; reproductive phenomena and parasitism

Reproduction, Parasite
Anya, A. O., 1976, Internat. J. Parasitol., v. 6 (2), 173-177
Aspiculuris tetraptera, pattern of the sex attraction phenomenon, origin of attractant secretions

Reproduction, Parasite
Areekul, S.; and Tipayamontri, U., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 31-38
Ancylostoma braziliense, egg counts, sex, number and size of developing worms, measurements, hematologic changes in hosts, comparative study of findings in dogs and cats (both exper.) infected by oral and cutaneous routes

Reproduction, Parasite
Azab, M. E.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 250-253
Toxoplasma gondii, nuclear division, occurrence of a form not typically mitotic, schizont-like forms demonstrated

Reproduction, Parasite
Bajwa, R. S.; and Gill, B. S., 1977, Ann. Recherches Vet., v. 8 (2), 181-186
Eimeria tenella, progeny of irradiated oocysts, sporulation rate, pathogenicity, immunogenicity, reproductive potential, concluded that radiation effects are not transmissible to progeny

Reproduction, Parasite
Banaja, A. A.; James, J. L.; and Riley, J., 1976, Parasitology, v. 72 (1), 81-91
Reighardia sternae implanted into gulls, low egg production, short patent period, low fecundity offset by auto-reinfection and possibly by direct transmission from bird to bird

Reproduction, Parasite
Beadles, M. L.; Miller, J. A.; and Gingrich, A. R., 1977, Southwest. Entom., v. 2 (3), 132-136
Haematobia irritans, time required for sexual maturation, role in sterile-male release programs

Reproduction, Parasite
Bello, T. R.; Gaunt, S. D.; and Torbert, B. J., 1977, J. Equine Med. and Surg., v. 1 (4), 126-130
Gasterophilus intestinalis, G. nasalis, horses, artificial hatching of bot eggs with warm water as environmental prophylaxis, critical evaluation, seasonal patterns of oviposition; trichlorfon + piperazine + phenothiazine, good results

Reproduction, Parasite
Berger, R. S., 1972, Science (4050), v. 177, 704-705
Amblyomma americanum females, identification of 2,6-dichlorophenol, possible sex pheromone

Reproduction, Parasite
Berger, R. S.; Dukes, J. C.; and Chow, Y. S., 1971, J. Med. Entom., v. 8 (1), 84-86
Amblyomma americanum, A. maculatum, Dermacentor variabilis, pheromone from female extracts excited males and resulted in responses reminiscent of mating behavior, males must reach state of maturity initiated by feeding before they will respond; chemical properties indicate it is a weak acid, possibly a phenol, site of extract production appears to be female reproductive organs

Reproduction, Parasite
Bhat, H. R.; and Jacob, P. G., 1977, Indian J. Med. Research, v. 65 (1), 1-7
Haemaphysalis wellingtoni, life cycle, reproduction, direct correlation between amount of blood ingested by females and number of eggs laid by them

Reproduction, Parasite
Bone, L. W.; et al., 1977, Exper. Parasitol., v. 42 (1), 82-86
Nippostrongylus brasiliensis, pheromone production and response, effect of parasite age, time of day periodicity not demonstrated

Reproduction, Parasite
Bone, L. W.; and Shorey, H. H., 1977, J. Parasitol., v. 63 (5), 845-848
Nippostrongylus brasiliensis, interactive influences of male- and female-produced pheromones on male attraction to female

Reproduction, Parasite
Bone, L. W.; and Shorey, H. H., 1977, Science (4304), v. 197, 694-695
Nippostrongylus brasiliensis, males maintained in environment permeated with female pheromone have greatly reduced subsequent ability to orient to gradient of pheromone emanating from living females for periods up to 2 hours, possible use of this phenomenon in control

Reproduction, Parasite
Bone, L. W.; Shorey, H. H.; and Gaston, L. K., 1977, J. Parasitol., v. 63 (2), 364-367
Nippostrongylus brasiliensis, mutual heterosexual attraction in vitro, pheromonal dosage response, homosexual trials

Reproduction, Parasite
Borut, S.; and Feldman-Muhsam, B., 1976, J. Parasitol., v. 62 (2), 318-320
Argasidae spp., Ixodidae spp., in vitro spermiogenesis

Reproduction, Parasite
Bradley, R. H.; and Burghardt, R. C., 1976, Proc. 34. Ann. Meet. Electron Microsc. Soc. America (Miami Beach, Florida, Aug. 9-13), 158-159
Ascaris spermatozoa, immunocytochemistry of surface changes during maturation, specific antigenic differences between inactive and active, mature cells, studies by unlabeled antibody enzyme method; possible relationship to sperm's ability to recognize and/or penetrate oolemma of oocyte

Reproduction, Parasite
Bretana, A.; and O'Daly, J. A., 1976, Internat. J. Parasitol., v. 6 (5), 379-386
Trypanosoma cruzi, uptake of proteins from fetal calf serum needed for growth, methods for labelling and subsequent localization (immunofluorescence; autoradiography; colloidal gold)

Reproduction, Parasite
Buengener, W., 1974, Tropenmed. u. Parasitol., v. 25 (4), 464-468
Plasmodium vinckei, rats, allopurinol treatment, influence on length of asexual cycle and multiplication rate of parasites

Reproduction, Parasite
Buengener, W., 1975, Tropenmed. u. Parasitol., v. 26 (3), 281-284
Trypanosoma musculi in inbred mice (exper.), parasite multiplication and course of infection in single infection, after pre-infection with T. congolense, or with added infection of T. brucei

Reproduction, Parasite
Buengener, W., 1975, Tropenmed. u. Parasitol., v. 26 (3), 285-290
Plasmodium berghei-infected mice (exper.), added infection of Trypanosoma musculi results in rapid multiplication of trypanosome parasites with distribution into multiple body organs and tissues, infection course

Reproduction, Parasite
Buengener, W., 1975, Tropenmed. u. Parasitol., v. 26 (3), 291-294
Trypanosoma musculi strain passaged several years in mice (exper.), infection course and development in pregnant mice, Plasmodium berghei-infected mice, or normal mice given either heavy or weak infections

Reproduction, Parasite
Buengener, W., 1976, Tropenmed. u. Parasitol., v. 27 (1), 79-81
influence of xanthine oxidase on duration of asexual cycle of Plasmodium vinckei in the mouse

Reproduction, Parasite
Cable, R. M., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 1-18
digenetic trematodes, behaviour, review (reproduction, hatching, penetration, response to taxic and host stimulation; cercarial emergence, swimming)

Reproduction, Parasite
Canning, E. U.; Killick-Kendrick, R.; and Garnham, P. C. C., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 8 [Demonstration]
Hepatocystis sp. from Callosciurus nigrovittatus, nuclear activity in macrogametocytes

Reproduction, Parasite
Capbern, A.; et al., 1977, Exper. Parasitol., v. 43 (1), 1-11
Trypanosoma equiperdum, multiplication in diffusion chambers implanted subcutaneously in the dorsal region of mice, effect of immunosuppressants, of immune serum, of temperature, of acquired immunity

Reproduction, Parasite
de Carneri, I.; Trane, F.; and Mandelli, V., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 438
Giardia muris-infected mice, oral infection using one trophozoite, assessment of generation time in the mouse

Reproduction, Parasite
Casto, S. D., 1975, Am. Midland Naturalist, v. 93 (2), 495-498
Syringophiloidus minor, generation time obtained by relating age of infested quills to occurrence of adult male mites, minimum time necessary for development from egg to adult male estimated to be 39-50 days

Reproduction, Parasite
Christow, C. P., 1977, Wien. Tierarztl. Monatsschr., v. 64 (6-7), 193-196
Trichomonas foetus, in vitro, naphthochinones (vitamin K) retard development and multiplication

Reproduction, Parasite
Colgan, G. J.; and Nollen, P. M., 1977, J. Parasitol., v. 63 (4), 675-680
Philophthalmus hegeneri, multiple and monomiracidial infections in chicks, parasite growth and development, effects of transplanting adults from isolated to multiple and from multiple to isolated situations at various times during growth, transplantation of isolated Philophthalmus hegeneri with single adults of Philophthalmus megalurus did not stimulate growth in either species

Reproduction, Parasite
Coman, B. J.; and Rickard, M. D., 1975, Ztschr. Parasitenk., v. 47 (4), 237-248
Taenia spp., dogs, location in intestine, size, fecundity, egg hatching within intestine; infectivity of T. pisiformis eggs to rabbits (effects of canine intestinal secretions, intestinal passage and storage in feces); repeated T. ovis egg infection of puppies having no effect on subsequent cysticercus infection

Reproduction, Parasite
Crompton, D. W. T.; Arnold, S.; and Walters, D. E., 1976, Parasitology, v. 73 (1), 65-72
Moniliformis dubius, unfertilized and fertilized females, average numbers and sizes of ovarian balls during course of infection in rats

Reproduction, Parasite
Crystal, M. M., 1972, J. Med. Entom., v. 9 (6), 509-510
Cochliomyia hominivorax, chemosterilization by immersion in N,N'-tetramethylenebis (1-aziridinecarboxamide), susceptibility changed with time of day of treatment, permanence of sterility, effect on survival

Reproduction, Parasite
Crystal, M. M.; and Ramirez, R., 1975, J. Med. Entom., v. 12 (4), 418-422
Cochliomyia hominivorax, strains evaluated for laboratory adaptation and longevity, sexual aggressiveness, mating capacity and mating competitiveness, suitability for mass production and sterile male release

Reproduction, Parasite
Crystal, M. M.; and Ramirez, R., 1975, J. Med. Entom., v. 12 (4), 423-425
Cochliomyia hominovorax, males and females, chemosterilization with N,N'tetramethylenebis (1-aziridinecarboxamide), less chemosterilant required with increasing age, survival per given dose independent of age when treated

Reproduction, Parasite
Darrow, D. I.; Gladney, W. J.; and Dawkins, C. C., 1976, Ann. Entom. Soc. Am., v. 69 (1), 106-108
Amblyomma americanum, males, adverse effects of irradiation on mating capacity and mating competitiveness indicates sterilization by this method does not appear to be feasible way to produce competitive ticks for use in sterile male technique

Reproduction, Parasite
Denham, D. A.; McGreevy, P. B.; and Suswillo, R. R., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 13-14 [Demonstration]
hybrid microfilariae obtained by cross-mating Brugia patei and B. pahangi

Reproduction, Parasite
Denner, M. W., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 406 [Abstract]
Mermis nigrescens, oviposition may occur in absence or presence of sunlight, presence of haemoglobin may not act as chromotropic stimulus for egg laying

Reproduction, Parasite
DeVaney, J. A.; and Garcia, J. J., 1975, J. Med. Entom., v. 12 (5), 511-513
Cochliomyia hominivorax, 5 strains under laboratory conditions, longevity, oviposition, fertility

Reproduction, Parasite
Eddy, G. W.; DeVaney, J. A.; and Handke, B. D., 1975, J. Med. Entom., v. 12 (3), 379-381
Cochliomyia hominivorax adults, attraction to bovine blood incubated with various species of bacteria, possible use with oviposition medium in screwworm rearing plants

Reproduction, Parasite
Ellis, D. S.; and Evans, D. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 385 [Demonstration]
Trypanosoma brucei rhodesiense (Botswana strain 180), electron micrographs of "cyst-like bodies" found when grown in cultures, possible reproductive function

Reproduction, Parasite
Erasmus, D. A.; and Shaw, J. R., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 289 [Demonstration]
Schistosoma mansoni, both tactile and chemical factors derived from the male worm provide the stimulus which initiates egg production in the female

Reproduction, Parasite
Fedchenko, A. P., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 511-523
English translation of Russian article published in 1870 on the structure and reproduction of the guinea worm (Filaria medinensis)

Reproduction, Parasite
Feldman-Muhsam, B.; and Havivi, Y., 1973, J. Med. Entom., v. 10 (2), 185-189
Ornithodoros tholozani, autogeny (oviposition without a blood meal in the adult stage), females large at ecdysis are autogenous and smaller ones are not, positive correlation between weight of female at ecdysis and number of eggs in first autogenous oviposition; possible relationship of oocyte development and preoviposition period

Reproduction, Parasite
Fine, P.E.M., 1975, J. Helminth., v. 49 (4), 229-243
Heterakis gallinarum in chickens with concomitant Parahistomonas wenrichi infections, worm fertility (egg production), worm mortality, inter-caecal distribution and migration tendencies of worms with reference to probability of pairing of males and females

Reproduction, Parasite
Foor, W. E., 1976, J. Parasitol., v. 62 (6), 849-864
Ascaris suum, glandular vas deferens, structure and function

Reproduction, Parasite
Foreyt, W. J.; Samuel, W. M.; and Todd, A. C., 1977, J. Parasitol., v. 63 (6), 1050-1052
Fascioloides magna in Odocoileus virginianus, prevalence, flukes were paired in 256 of 301 fibrous hepatic capsules, prevalence of immature flukes with an average of one immature per infected liver was similar in all host age classes and suggests a relationship between fluke pairing and maturation: southern Texas

Reproduction, Parasite
Freze, V. I.; and Zenevich, I. V., 1977, Dokl. Akad. Nauk SSSR, v. 235 (4), 976-979
Diphyllobothrium ditremum, D. vogeli, exper. final hosts, effect of thyroxine on growth and sexual maturity; concluded that cestodes in hyperthyroid hosts have increased reproductive potential

Reproduction, Parasite
Friedhoff, K. T.; and Buescher, G., 1976, Ztschr. Parasitenk., v. 50 (3), 345-347
Babesia bigemina, rediscovery of varied stages described by Koch (1905, 1906) as "Strahlenkorper", description, possible evidence for sexual reproduction

Reproduction, Parasite
Fujisaki, K.; Kitaoka, S.; and Morii, T., 1976, National Inst. Animal Health Quart., v. 16 (3), 122-128
comparative observations, feeding, molting, oviposition and hatching, ixodid ticks, laboratory cultural conditions

Reproduction, Parasite
Gabbay, S.; and Warburg, M. R., 1976, J. Insect Physiol., v. 22 (9), 1291-1301
Ornithodoros tholozani, appearance of neurosecretory cells as related to feeding, blood digestion, mating, and oogenesis

Reproduction, Parasite
Gallucci, B. B., 1974, J. Protozool., v. 21 (2), 254-263
Haemoproteus columbae, macrogametogenesis, fertilization, fine structure

Reproduction, Parasite
Garcia, E. G., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 190-196
Schistosoma japonicum, morphometric data, strain comparisons, review of life cycle and reproduction

Reproduction, Parasite
Gardiner, C. H., 1976, J. Parasitol., v. 62 (6), 865-870
Trichinella spiralis in mice, exact niche of adult worms during intestinal phase (epithelial layer of mucosa of small intestine, at base of villi and in glandular crypts), reproductive behavior of intestinal worms

Reproduction, Parasite
Golvan, Y.-J.; et al., [1976], Ann. Parasitol., v. 50 (5), 1975, 617-628
Schistosoma mansoni in different strains of Biomphalaria glabrata, parasite and host fecundity

Reproduction, Parasite
Graham, O. H.; Price, M. A.; and Trevino, J. L., 1972, J. Med. Entom., v. 9 (6), 531-537
Boophilus annulatus and B. microplus, cross-mating successful, sterility of males and reduced fertility of females of hybrid offspring, close relationship of species, reproductive isolation

Reproduction, Parasite
Guillot, F. S.; et al., 1977, Ann. Entom. Soc. Am., v. 70 (4), 588-590
Cochliomyia hominivorax, feeding behavior and reproductive status of females attracted to a host, relationship to mating and ovarian development

Reproduction, Parasite
Guillot, F. S.; et al., 1977, Southwest. Entom., v. 2 (1), 49-52
Cochliomyia hominivorax, reproductive status of female screwworms captured from a host compared with those captured in only traps baited with swormlure 2 or liver; baits attracted nulliparous and vitellogenic females, not effective for postvitellogenic females

Reproduction, Parasite
Haight, M.; Davidson, D.; and Pasternak, J., 1977, J. Parasitol., v. 63 (2), 267-273
Trichobilharzia ocellata, proliferating cells of cercariae, 6 nuclear classes identified on basis of interphase nuclear morphology, assignment to specific phase of cell cycle on basis of microspectrophotometric and autoradiographic evidence, cells divide mitotically throughout all stages of cercarial development, no evidence of diploid parthenogenetic reproduction

Reproduction, Parasite
Haight, M.; Davidson, D.; and Pasternak, J., 1977, J. Parasitol., v. 63 (2), 274-281
Trichobilharzia ocellata, quantitative aspects of cellular proliferation during cercarial development, results do not support germinal lineage theory of cercarial development since none of observed nuclear types could be unequivocally identified as belonging to the germ line

Reproduction, Parasite
Hajjar, N. P., 1972, J. Med. Entom., v. 9 (6), 551-557
Hyalomma (H.) dromedarii, H. (H.) anatolicum excavatum, premolting nymphs, engorged and ovipositing females, total lipid fatty acids and free fatty acid fractions of hemolymph and gut and molting fluids, changes in relation to feeding, molting, and oviposition

Reproduction, Parasite
Hall, R. D.; and Gross, W. B., 1975, J. Parasitol., v. 61 (6), 1096-1100
Ornithonyssus sylviarum, chickens artificially selected for high or low levels of plasma corticosterone response to stress and housed to promote high or low levels of social interaction, effect on development of mite populations, host sex differences

Reproduction, Parasite
Hawking, F., 1975, Advances Parasitol., v. 13, 123-182
circadian and other rhythms of parasites, extensive review: rhythms depending on synchronous cell division, on discharge of infective forms, and on migrations of the same individuals; rhythmic migrations of intestinal worms; rhythms outside principal host; interrelation with rhythms of host environment; mathematical treatment; annual and other rhythms

Reproduction, Parasite
Hess, E., 1975, Acta Trop., v. 32 (4), 290-295
Mesocestoides corti tetrathyridia, presence of large basophilic cells in various stages of mitosis, largest number behind suckers, importance in regeneration after amputation and in asexual reproduction by longitudinal fission

Reproduction, Parasite
Hoogstraal, H.; et al., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 532-539
Argas robertsi, life cycle and development using domestic pigeons as experimental hosts, comparison of population samples from Taiwan, Thailand, Indonesia, Australia and Sri Lanka

Reproduction, Parasite
Hopkins, D. E.; Chamberlain, W. F.; and Gingrich, A. R., 1976, Ann. Entom. Soc. Am., v. 69 (3), 538-540
Bovicola limbatus, B. ovis, B. crassiceps, longevity, fecundity, population increases, in vitro testing on artificial diets, field-collected and in vitro-colonies compared

Reproduction, Parasite
Howells, R. E.; and Davies, E. E., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 451-459
Plasmodium berghei oocysts, sequence of post-meiotic nuclear divisions, nuclear changes may be incorporated into general pattern of oocyst differentiation or cytokinesis

Reproduction, Parasite
Iqbal, Q. J., 1975, Biologia, Lahore, v. 21 (2), 181-184
Nosopsyllus fasciatus, mating temporarily inhibited by chilling below 20° C, results suggest that either cooling destroyed attractiveness of the mating pheromone on female cuticle or an intermediate process (neuroendocrine) in production of a transient pheromone is switched off

Reproduction, Parasite
Iqbal, Q. J.; and Humphries, D. A., 1974, Pakistan J. Zool., v. 6 (1-2), 163-174
Nosopsyllus fasciatus, sequence of actions during mating, initiation by contact-chemical stimulus, negative phototactic behaviour

Reproduction, Parasite
Iqbal, Q. J.; and Humphries, D. A., 1976, Pakistan J. Zool., v. 8 (1), 39-41
Nosopsyllus fasciatus, multiple mating study, female receptivity restored 72 hours after first mating while males could be stimulated to remate after a blood-meal or temperature rise

Reproduction, Parasite
Janovy, J., jr.; et al., 1975, Proc. Oklahoma Acad. Sc., v. 55, 130-135
Herpetomonas megaseliae, cytodifferentiation in culture, changes in population composition (promastigotes, paramastigotes, opisthomastigotes), physiological changes (organisms became increasingly cyanide-sensitive, anaerobic stimulation of glucose uptake was doubled, and anaerobic acid production was halved as makeup of culture population shifted), differentiation was postulated to involve metabolic shift from anaerobic to aerobic metabolism

Reproduction, Parasite
Jeffers, T. K., 1975, J. Parasitol., v. 61 (6), 1083-1090
Eimeria tenella, attempt to genetically alter developmental rate in order to elucidate mechanisms controlling length of prepatent period, selection for precociousness was accompanied by attenuation, lack of pathogenicity apparently due to defective second-generation schizogony

Reproduction, Parasite
Khalil, G. M.; and Shanbaky, N. M., 1975, J. Med. Entom., v. 12 (1), 47-51
Argas arboreus, egg development and oviposition, effect of mating with homologous males or with A. persicus and of other mechanical stimulation, effect of inoculating male accessory gland material and/or testis extracts into female hemocoel

Reproduction, Parasite
Khalil, G. M.; and Shanbaky, N. M., 1976, Exper. Parasitol., v. 39 (3), 431-437
Argas arboreus, field-collected vs. laboratory-reared F_1 and F_2 females, diapause incidence (% diapause females) and intensity (duration of preoviposition period), effect of constant 26, 30, 34, or 37 C temperatures, results suggest that laboratory rearing caused increased sensitivity of diapause females to high temperature

Reproduction, Parasite
Khan, Z. I.; and De Rycke, P. H., 1976, Ztschr. Parasitenk., v. 49 (3), 253-261
Hymenolepis microstoma in vitro, effect of haemoglobin, hemin and bilirubin on strobilization and maturation

Reproduction, Parasite
Kingston, N.; and Morton, J. K., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 179-181
Trypanosoma cervi in Cervus canadensis (spleen, liver), recovery of multiplication stages

Reproduction, Parasite
Kopp, H., 1975, Untersuchungen uber die Eiausscheidung von Fasciola hepatica und Dicrocoelium dendriticum bei Schaf und Rind im Verlauf eines Jahres, 53 pp.
Fasciola hepatica in sheep and cattle, Dicrocoelium dendriticum in sheep, egg production in relation to host age and season of year; problems in estimation of numbers of flukes from numbers of eggs in feces, bile or gall bladders

Reproduction, Parasite
Kowalski, J. C.; and Thorson, R. E., 1976, Internat. J. Parasitol., v. 6 (4), 327-331
Mesocestoides corti tetrathyridia, growth and asexual reproduction in vivo and in vitro as affected by certain lipid compounds (Williams and Law mixture, farnesol, ecdysterone, cholesterol, stigmasterol, lipid extracts from M. corti and Hymenolepis diminuta)

Reproduction, Parasite
Kozek, W. J., 1976, Rev. Biol. Trop., v. 24 (1), 175-183
Trichinella spiralis, quantitative data on reproductive potential of male and female worms in mice, occurrence of multiple inseminations; presence or absence of larvae in diaphragm of a mouse can be used as an absolute criterion to confirm or rule out infection

Reproduction, Parasite
Kunz, S. E.; and Cunningham, J. R., 1977, Southwest. Entom., v. 2 (2), 79-87
Haematobia irritans, population prediction equation using environmental factors, reproductive bionomics, seasonal distribution, emergence, overwintering: Texas

Reproduction, Parasite
Kunz, S. E.; Eschle, J. L.; and Cunningham, J. R., 1975, J. Med. Entom., v. 12 (5), 513-517
Haematobia irritans, sterile-male technique for control, comparison of 2 methods of monitoring fecundity and egg hatch in native population following sterile male release, field trials: West Texas

Reproduction, Parasite
Kunz, S. E.; Hogan, B. F.; and Eschle, J. L., 1976, Southwest. Entom., v. 1 (1), 46-48
Haematobia irritans, cattle, population bionomics, reproduction: west Texas

Reproduction, Parasite
Lamy, L. H., 1971, Bull. Inst. Pasteur, Paris, v. 69 (4), 401-420
Leishmania donovani, Trypanosoma cruzi, T. brucei group, comparisons of life cycle, morphology, reproduction and development, metabolism, extensive review

Reproduction, Parasite
Lara, S. I. M.; de Oliveira, C. M. B.; and Porto, J. C. A., 1976, Arq. Escola Vet. Univ. Fed. Minas Gerais, v. 28 (1), 93-99
Haemonchus sp., sheep (exper.), cobalt sulfate diet supplement, increased production and size of eggs, lower number of worms in autopsy

Reproduction, Parasite
Lawrence, J. A., 1973, Research Vet. Sc., v. 14 (3), 402-404
Schistosoma mattheei, calves (exper.), effects of host nutrition and of weight of infection on parasite egg output

Reproduction, Parasite
Lawrence, J. A., 1977, Vet. Parasitol., v. 3 (4), 291-303
Schistosoma mattheei in Friesian steers (exper.), pattern of elimination of adult worms, length of parasites and numbers of eggs in utero of worms from different parts of host body, egg output in faeces, changes appeared to be mediated by host immune response

Reproduction, Parasite
Layton, E. C.; and Sonenshine, D. E., 1975, J. Med. Entom., v. 12 (3), 287-295
Dermacentor variabilis, D. andersoni, females, structure of glands associated with foveae dorsales, histology and scanning electron microscopy, changes during feeding, possible role in sex pheromone activity

Reproduction, Parasite
Leahy, (Sr.) M. G.; et al., 1975, J. Med. Entom., v. 12 (4), 413-414
assembly pheromones from Ornithodoros and Argas species, interspecific responses; feeding increased pheromone production and decreased response; possible function in host location

Reproduction, Parasite
Leahy, M. G.; et al., 1976, Vet. Parasitol., v. 1 (3), 249-256
Rhipicephalus appendiculatus, attraction of male to female ticks in relation to feeding, results suggest possible existence of female sex pheromone

Reproduction, Parasite
Lewis, J. W.; and Shava, F. H. M., 1977, Parasitology, v. 75 (2), iv [Abstract]
Syphacia obvelata, Nematospiroides dubius, differences in periodicity of egg deposition can be correlated with differences in transmission of infective stages to definitive host

Reproduction, Parasite
Lie, K. J.; and Colley, F., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 410-411 [Demonstration]
Perezia helminthorum recovered from rediae of Echinostoma malayanum, stages in life cycle

Reproduction, Parasite
Llewellyn, J., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 19-30
monogenean trematodes, invasive behavior, review

Reproduction, Parasite
Londt, J. G. H., 1976, Onderstepoort J. Vet. Research, v. 43 (3), 143-145
Boophilus decoloratus, fertilization capacity of males

Reproduction, Parasite
Londt, J. G. H.; and Spickett, A. M., 1976, Onderstepoort J. Vet. Research, v. 43 (3), 79-96
Boophilus decoloratus, growth of reproductive organs and gametogenesis in male and female, timing of meiosis, spermiogenesis, mating and sperm relocation in female

Reproduction, Parasite
McDougald, L. R.; and Jeffers, T. K., 1976, Science (4236), v. 192, 258-259
Eimeria tenella, selection for precociousness resulted in strain with only one asexual generation prior to gametogony in vitro

Reproduction, Parasite
Mansingh, A.; and Rawlins, S. C., 1977, Naturwissensch., v. 64 (1), 41
Boophilus microplus, antigonadotropic action of insect hormone analogues, inhibition of oviposition, mortality

Reproduction, Parasite
Maroun, N. A.; and Kamel, M. Y., 1973, J. Med. Entom., v. 10 (4), 400-405
Dermacentor andersoni, fatty acid composition of female, eggs, and larva, unfed, half-fed, engorged and postoviposition

Reproduction, Parasite
Maunder, J. W.; Cockburn, J. M.; and MacEwen, A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 13 [Demonstration]
Pediculus humanus capitis, film showing aspects of louse reproduction including copulation, egg laying and hatching of eggs with proof of nocturnal endogenous cycle of egg-laying

Reproduction, Parasite
Mehlhorn, H.; and Schein, E., 1976, Tropenmed. u. Parasitol., v. 27 (2), 182-191
electron microscopic study of developmental stages of Theileria parva in the intestine of the tick Hyalomma anatolicum

Reproduction, Parasite
Melton, M. L.; and Sheffield, H. G., 1975, J. Parasitol., v. 61 (4), 713-717
Toxoplasma gondii, degree of inhibition of penetration and multiplication in cultured cells by lasalocid, monensin, ormetoprim, sulfadimethoxine, and a combination of the latter two

Reproduction, Parasite
Meyer, C. L.; and Bennett, G. F., 1976, Canad. J. Zool., v. 54 (2), 133-141
Plasmodium circumflexum, P. polare, sporogony

Reproduction, Parasite
Mills, C. A., 1976, Parasitology, v. 73 (2), vi-vii [Abstract]
Transversotrema patialense, survival and fecundity on Brachydanio rerio (exper.), age-dependent but not density-dependent, temperature optimum at 23°C., survival reduced on small hosts, growth in size of adult fluke

Reproduction, Parasite
Mitchell, G. H.; Butcher, G. A.; and Cohen, S., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 12-13 [Demonstration]
Plasmodium falciparum, rapid development of gametocytes in culture

Reproduction, Parasite
Molyneux, D., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 371-372
Trypanosoma rangeli, method of division, probably multiplies in mammalian hosts extracellularly by equal binary fission in trypomastigote stage

Reproduction, Parasite
Mutafova, T., 1972, Izvest. Tsentral. Khelmint. Lab., v. 15, 143-150
Haemonchus contortus, Ostertagia sp., Trichostrongylus sp., sheep, seasonal changes in egg-production, spring rise observed irrespective of age or sex of host

Reproduction, Parasite
Nielsen, M. H., 1976, Acta Path. et Microbiol. Scand., v. 84B (2), 93-100
Trichomonas vaginalis, in vitro treatment of exponentially growing cultures with metronidazole, effect on cell division and fine structure, findings indicate initial effect is inhibition of cell multiplication as well as impairment of protein-synthesizing capacity

Reproduction, Parasite
Niewiadomska, K., 1975, Kosmos, Warsaw, s. A, Biol. (135), v. 24 (4), 349-363
Digenea, reproduction regarded as elongation of ontogeny or alteration of generations, asexual and sexual reproduction and parthenogenesis in life cycles, extensive theoretical review

Reproduction, Parasite
Nogueira, N.; and Cohn, Z., 1976, J. Exper. Med., v. 143 (6), 1402-1420
light and electron microscopic study of mechanism of entry and intracellular fate of epimastigotes and trypomastigotes of Trypanosoma cruzi in mammalian cells with comparison studies of other cell types, demonstration of phagocytic process

Reproduction, Parasite
Nollen, P. M.; et al., 1976, J. Parasitol., v. 62 (2), 227-231
Schistosoma spp., pattern of gonial and vitelline cell labeling with ^{3}H-thymidine, timing of development and movement of these reproductive cells

Reproduction, Parasite
Norton, C. C.; and Hein, H. E., 1976, Parasitology, v. 72 (3), 345-354
Eimeria maxima, comparison of 3 strains (Weybridge, Houghton, and a fresh field isolate), oocyst measurements, pathogenicity, oocyst production, immunity to homologous not heterologous challenge, chickens

Reproduction, Parasite
Novak, M., 1976, Experientia, v. 32 (12), 1529-1530
Taenia crassiceps, gonadectomy of mouse hosts inhibited asexual reproduction of cysticerci considerably and increased the average size of the larvae

Reproduction, Parasite
O'Daly, J. A., 1976, J. Protozool., v. 23 (4), 577-583
Trypanosoma cruzi, division and epimastigote-to-trypomastigote transformation in vitro, growth-stimulating capacities of fetal calf serum fractions and proteins

Reproduction, Parasite
O'Daly, J. A.; and Bretana, A., 1976, Internat. J. Parasitol., v. 6 (3), 271-278
Trypanosoma cruzi epimastigotes obtained from new liquid culture medium, morphogenesis of kinetoplast-mitochondrion complex in division and growth, description of crystal-like pattern of channels between mitochondria and kinetoplasts, new structure at flagellar end in epimastigotes reported

Reproduction, Parasite
Oliver, J. H., jr.; and Herrin, C. S., 1976, J. Parasitol., v. 62 (3), 475-484
Haemaphysalis longicornis, differential morphological variation in relation to reproduction method (bisexual vs. parthenogenetic), sex, and chromosomal ploidy level

Reproduction, Parasite
Oliver, J. H., jr.; Murphy, R. W.; and Obenchain, F. D., 1975, J. Parasitol., v. 61 (4), 782-784
Amblyomma americanum, effects of mechanical and chemical stimulation on rapid engorgement behavior and subsequent egg development in unmated females

Reproduction, Parasite
Ono, T.; and Inoki, S., 1975, Biken J., v. 18 (4), 257-265
Trypanosoma gambiense, mice, hydroxystilbamadine treatment, inhibition of kinetoplastic duplication without influence on nuclear or cytoplasmic duplication; disorganization and disappearance of kinetonucleus and its enveloping membrane shown by electron microscopy; failure to establish akinetoplastic clone probably due to inability of these forms to multiply

Reproduction, Parasite
Overdulve, J. P., 1976, Trop. and Geogr. Med., v. 28 (4), 363 [Abstract]
Toxoplasma gondii, light and electron microscopy of development in small intestine of cat

Reproduction, Parasite
Overstreet, R. M., 1976, J. Parasitol., v. 62 (5), 680-684
Fabespora vermicola sp. n. hyperparasitism in Crassicutis archosargi acts as biological control agent by stopping reproduction of digenean host

Reproduction, Parasite
Packer, D. E., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 15 [Demonstration]
Syngamus trachea, chicks (exper.), relationships between size of challenge infection, worm burden and egg production

Reproduction, Parasite
Padchenko, I. K., 1975, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (5), 52-56
Trichomonadidae, polymorphism observed only during reproduction; multiple reproduction arising from chemicals; absence of cyst stage proven

Reproduction, Parasite
Patrick, C. D.; and Hair, J. A., 1975, J. Med. Entom., v. 12 (3), 393-394
Dermacentor albipictus, studies in field conditions, two different habitats, March 1973-May 1974, oviposition, incubation time, comments on taxonomic status and relationship to D. nigrolineatus: eastern Oklahoma

Reproduction, Parasite
Peirce, M. A.; Irvin, A. D.; and Purnell, R. E., 1973, Bull. Epizoot. Dis. Africa, v. 21 (1), 29-31
maintenance of Hyalomma albiparmatum under laboratory conditions, behavior as a two-host or part three-host tick when feeding on rabbits

Reproduction, Parasite
Petrov, D.; and Gecheva, G., 1975, Vet. Med. Nauk., v. 12 (8), 25-32
Argas persicus, optimal temperatures for development 22-38° C, direct transformation of second stage nymphs to adults under favorable conditions, adult females laying eggs for first time have higher potential fertility than those having passed through several gonotrophic cycles, biological cycle continues throughout year in optimal conditions, adult engorges about 30 mg of blood at each feeding

Reproduction, Parasite
Pifer, L. L.; Hughes, W. T.; and Murphy, M. J., jr., 1977, Pediat. Research, v. 11 (4), 305-316
Pneumocystis carinii, isolation and propagation in vitro using chick embryo epithelial lung cell cultures; scanning and transmission electron morphology, life cycle and cyst multiplication, attachment to host cells, RNA, DNA and protein synthesis, no active mechanism for motility observed

Reproduction, Parasite
Podhajecky, K.; Spaldonova, R.; and Tomasovicova, O., 1974, Biologia, Bratislava, s. B, Zool. (1), v. 29 (2), 163-166
Trichinella spiralis in mice given intravenous calcium, development in and duration of intestinal phase unaffected, moderate retardation of encapsulation process in muscle phase, small increase in worm reproductive capacity

Reproduction, Parasite
Podhajecky, K.; and Tomasovicova, O., 1976, Biologia, Bratislava, s. B, Zool. (3), v. 31 (8), 595-599
Trichinella spiralis, reproductive potential in relation to size of infecting dose and to season of year, mice

Reproduction, Parasite
Prasad, R. S., 1976, Ztschr. Parasitenk., v. 50 (1), 81-86
Xenopsylla cheopis and X. astia fed on sterile male rats treated with cortisone and progesterone, no influence on reproductive potential

Reproduction, Parasite
Prieto, R., 1975, Rev. Cubana Cien. Vet., v. 5 [on cover], v. 6 [on title page] (1-2), 51-56
Gasterophilus intestinalis, G. nasalis, horses, seasonal incidence and changes in oviposition: province of Havana, Cuba

Reproduction, Parasite
Purnell, R. E.; et al., 1973, Isotopes and Radiation Parasitol. III, 139-144
Rhipicephalus appendiculatus (unfed nymphs; engorged nymphs; moulting nymphs; unfed adults), effects of irradiation assessed by evaluating subsequent performance of ticks when fed on rabbits (mortality, attachment, feeding, mating, egg-laying); effects of irradiation on Theileria parva in salivary glands of adult ticks

Reproduction, Parasite
Rausch, R. L.; and Maser, C., 1977, J. Parasitol., v. 63 (5), 793-799
Monoecocestus, insemination takes place only by way of vagina in early immature segments

Reproduction, Parasite
Ribeiro, R. D.; and Pereira Barretto, M., 1975, Rev. Brasil. Biol., v. 35 (2), 301-307
Trypanosoma cruzi, ten strains isolated from man, wild mammals and triatomines, behavior in culture medium over one year, variations in presence of trypomastigotes, epimastigotes and amastigotes

Reproduction, Parasite
Riedel, D., 1975, J. Protozool., v. 22 (1), 8-17
Trypanosoma (Herpetosoma) tamiasi sp. n., life cycle, mode of reproduction, morphogenesis, morphometrics, host specificity

Reproduction, Parasite
Rietschel, G., 1975, Ztschr. Parasitenk., v. 47 (4), 299-306
Oestromyia leporina, laboratory maintenance, technique, copulation, egg maintenance, infection of host, shortening or omission of diapause by effect of light

Reproduction, Parasite
Roberts, T. M.; and Thorson, R. E., 1977, J. Parasitol., v. 63 (2), 357-363
Nippostrongylus brasiliensis, chemical attraction between adults both within host intestine and in vitro with particular regard to effect of host immunity on parasite behavior

Reproduction, Parasite
Roberts, T. M.; and Thorson, R. E., 1977, J. Parasitol., v. 63 (4), 764-766
Nippostrongylus brasiliensis, pairing between adults and other species of nematodes in vitro, comparison of intra and interspecific response patterns, results suggest that pairing is not related entirely to sexual attraction

Reproduction, Parasite
Rohde, K., 1976, Ztschr. Parasitenk., v. 51 (1), 49-69
monogenetic trematodes and copepods on Scomberomorus commersoni gills, restricted microhabitats, probably increase intraspecific contact and thus assure mating

Reproduction, Parasite
Rudzinska, M. A.; and Trager, W., 1974, J. Protozool., v. 21 (3), 446 [Abstract]
Babesia microti, intraerythrocytic reproduction, electron microscope study

Reproduction, Parasite
Schiller, E. L.; et al., 1975, J. Parasitol., v. 61 (3), 385-389
Schistosoma mansoni, adults cultured in vitro under aerobic vs. anaerobic conditions, no differences in glucose utilization and lactic acid production, virtually no egg-laying in absence of oxygen

Reproduction, Parasite
Schulz-Key, H., 1975, Tropenmed. u. Parasitol., v. 26 (1), 60-69
Onchocerca flexuosa, development of nodules on hide of Cervus elaphus, relationship to age and sex of parasites, parasitic reproduction within nodules

Reproduction, Parasite
Setasuban, P., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 190-194
Ancylostoma caninum, A. tubaeforme, attempted experimental cross-breeding with failure to produce progeny even though the two strains copulated, egg production observed only in identical single-strain combinations supporting assumption that the two species are genetically separate

Reproduction, Parasite
Sethi, K. K.; et al., 1973, Nature, London, N. Biol. (129), v. 243, 255-256
Toxoplasma gondii, multiplication in enucleated L cells proves that nucleo-cytoplasmic integrity is not required for intracytoplasmic multiplication of this parasite

Reproduction, Parasite
Sey, O., 1972, Parasitol. Hungar., v. 5, 17-38
Paramphistomum daubneyi, morphology and development of eggs, epidermal structure of terebratorium can be used to distinguish higher taxa of family and genus

Reproduction, Parasite
Shaw, J. R., 1977, Exper. Parasitol., v. 41 (1), 54-65
Schistosoma mansoni, effect of pairing females from single sex infections with males under in vitro conditions, subsequent development and ultrastructural changes in reproductive system

Reproduction, Parasite
Sheffield, H. G.; and Melton, M. L., 1975, J. Parasitol., v. 61 (4), 704-712
Toxoplasma gondii, fine structure and multiplication in cell cultures, effects of pyrimethamine and sulfadiazine singly and in combination

Reproduction, Parasite
Sheffield, H. C.; Melton, M. L.; and Neva, F. A., 1976, Proc. Helminth. Soc. Washington, v. 43 (2), 217-225
Hammondia hammondi, artificially excysted sporozoites, development in cell culture, ultrastructure, endodyogeny only type division observed, characteristics to differentiate from Toxoplasma gondii

Reproduction, Parasite
Shungu, D. M.; and Arnold, J. D., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 684-685 [Letter]
Plasmodium vinckei chabaudi adapted to rats (exper.), synchronization of growth and reproduction by photoperiodic rhythm

Reproduction, Parasite
Siebert, A. E.; and West, J. A., 1974, Protoplasma, v. 81 (1), 17-35
Haplozoon axiothellae, fine structure morphology, attachment cell, penetration stylet, reproduction, characteristics of theca

Reproduction, Parasite
Sinden, R. E.; Canning, E. U.; and Spain, B., 1976, Proc. Roy. Soc. London, B., Biol. Sc. (1110), v. 193, 55-76
Plasmodium yoelii nigeriensis, transmission electron microscopy, ultrastructure of micro- and macrogametocytes, nuclear and cytoplasmic changes during gametogenesis, fertilization

Reproduction, Parasite
Sinden, R. E.; and Croll, N. A., 1974, J. Protozool., v. 21 (3), 452-453 [Abstract]
Plasmodium yoelii nigeriensis, kinetics of movement of microgametes, recognition of macrogamete and fertilization

Reproduction, Parasite
Smith, D. H., 1973, J. Med. Entom., v. 10 (5), 481
Cuterebra approximata, technique for laboratory mating, younger males more vigorous and fertile

Reproduction, Parasite
Smith, J. H.; Said, M. N.; and Kelada, A. S., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 80-84
Schistosoma haematobium, S. mansoni, human schistosomal colonic and rectal polyposis, anatomic pathology and digestive studies, high localized parasite egg burdens apparent cause of damage, parasite oviposition in relation to pathogenesis

Reproduction, Parasite
Sonenshine, D. E.; et al., 1976, J. Chem. Ecol., v. 2 (2), 201-209
Dermacentor andersoni, D. variabilis, 2,6-dichlorophenol identified as sex pheromone, probably occurs generally throughout metastriate Ixodidae

Reproduction, Parasite
Sotolongo Guerra, F., 1972, Parassitologia, v. 14 (1), 29-33
Strongyloides stercoralis, human case, adult parasitic or strongyloid type males found, apparent variation on usual life cycle, more knowledge about life cycle needed

Reproduction, Parasite
Srivastava, G. C., 1974, Haryana Agric. Univ. J. Research, v. 4 (4), 277-280
Dicrocoelium dendriticum, total egg count per individual worm, higher in naturally infected than in experimentally infected animals, higher in older worms

Reproduction, Parasite
Srivastava, P. S.; and Sharma, N. N., 1976, Internat. J. Radiation Biol., v. 29 (3), 241-248
Hyalomma anatolicum, unfed adults and engorged females, effect of ^{60}Co irradiation on engorgement and reproduction

Reproduction, Parasite
Sternberg, S.; Peleg, B. A.; and Galun, R., 1973, J. Med. Entom., v. 10 (2), 137-142
Argas persicus, irradiation of males produces decreased fertility and egg hatching, not effective as tick control due to lowered competitiveness after first round of mating and aspermia; irradiated Ornithodoros tholozani males also ceased to mate after the first or second mating

Reproduction, Parasite
Stringfellow, F., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 4-10
Pelodera strongyloides, hydroxyl ion, attractant to males, introduction of therapeutic agents to block nematode attractant could significantly decrease reproductive potential

Reproduction, Parasite
Szidat, L., 1965, An. 2. Cong. Latino-Am. Zool., v. 2, 83-87
Cymothoidae, evolution of secondary sexual dimorphism, various types of life cycles; particular studies of Meinertia gaudichaudi in Trachurus sp. (cavidad bucal): costas chilenas

Reproduction, Parasite
Teetor, G. E.; and Kramer, J. P., 1976, J. Invert. Path., v. 28 (1), 37-41
Octosporea muscaedomesticae, quantitative pathogenicity in Phormia regina, dosage effect study with reference to reproductive cycle of pathogen, relationship between number of spores ingested and subsequent infection rate

Reproduction, Parasite
Triantaphyllou, A. C.; and Moncol., D. J., 1977, J. Parasitol., v. 63 (6), 961-973
Strongyloides ransomi, S. papillosus, chromosomal complement, gametogenesis, mode of reproduction, sex determination, hybridization tests

Reproduction, Parasite
de la Vega, R., 1976, Rev. Cubana Cien. Agric., v. 10 (3), 313-316
Boophilus microplus, mean weight of eggs, light and day of oviposition had no effect, high temperature increased weight

Reproduction, Parasite
Vivier, E., 1975, J. Protozool., v. 22 (3), 69A [Abstract]
Hepatozoon domerguei, ultrastructural observations of fertilization and meiosis

Reproduction, Parasite
Volkova, G. N., 1975, Ekologiia, Sverdlovsk (5), 100-102
Androlaelaps pavlovskii, feeding, reproduction, and development under laboratory conditions

Reproduction, Parasite
Werner, H.; and Janitschke, K., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 57-64
Toxoplasma gondii, morphological variations in developmental stages, details of sexual forms and oocysts, life cycle completed only in domestic cat, partial common antigenicity demonstrated between Toxoplasma and Isospora

Reproduction, Parasite
Wood, W. F.; et al., 1975, J. Chem. Ecol., v. 1 (4), 501-509
ixodid ticks, phenolic compounds as pheromones, sexual attractants, chemical extraction and bioassay

Reproduction, Parasite
Zaffagnini, F., 1972, Parassitologia, v. 14 (1), 209-214
Strongyloides papillosus females, calf strain, diploid parthenogenesis and diploid chromosome number 2n=4; maturation of oocytes: ameiotic parthenogenesis in parasitic females and meiotic parthenogenesis in free-living females

Reproduction, Parasite
Zahner, H.; et al., 1976, Ztschr. Parasitenk., v. 49 (1), 41-61
Capillaria hepatica in Mastomys natalensis (liver) (exper.), development, prepatency, egg production (duration and dynamics dependent upon infective dose), necroses of liver as related to infection rate, liver and spleen weight increases

Reproduction, Parasite
Zaman, V.; and Colley, F. C., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 457-464
Toxoplasma gondii, light microscopic study of endogenous stages

Reproduction, Parasite
Zaman, V.; and Colley, F. C., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 489-495
Sarcocystis fusiformis, fine structure, observation of asexual reproduction by endodyogeny

Reproduction, Parasite
van der Zypen, E.; and Piekarski, G., 1968, Bol. Chileno Parasitol., v. 23 (3-4), 90-94
Toxoplasma gondii, ultrastructure of endodyogeny

Reproductive organs. [See also Gonads]

Reproductive organs, Host
Alvarez San Cristobal, A.; and de Mundi, A., 1976, Acta Cytol., v. 20 (3), 190-192
Enterobius vermicularis larvae detected in vaginal smear of young girl using Papanicolaou and acridine orange staining methods

Reproductive organs, Host
Alvarez San Cristobal, A.; and Sanmarti Roset, M., 1976, Acta Cytol., v. 20 (4), 285-286
Toxoplasma gondii cysts in human vaginal and cervical smears, clinical case: Barcelona, Spain

Reproductive organs, Host
Anderle, L. J., 1970, Maternal and Child Health, v. 3 (3), 14-15
Trichomonas vaginalis, human vaginitis, clinical signs and symptoms, diagnosis, treatment

Reproductive organs, Host
Antunes, M. L.; and Delascio, D., 1967, Maternidade e Infancia, v. 26 (1), 63-67
laboratory diagnosis of vulvo-vaginitis of parasitic origin in children: Brasil

Reproductive organs, Host
Ardekani, M. S.; Mohallatee, E. A.; and Farajiani, A., 1972, Pahlavi Med. J., v. 3 (1), 46-50
human echinococcal cyst of ovary, clinical case report: Iran

Reproductive organs, Host
Arrighi, E.; and Artignan, P., 1972, Medecine Trop., v. 32 (3), 305-310
surgical procedure for the treatment of human scrotal elephantiasis caused by filariasis

Reproductive organs, Host
Balasz, A.; et al., 1976, Przegl. Lek., v. 33 (9), 824-826
human vaginal trichomoniasis with cervical erosion, therapy with vagothyl cures trichomoniasis but alters other vaginal flora

Reproductive organs, Host
Banner, E. A., 1974, Med. Clin. North Am., v. 58 (4), 759-768
human Trichomonas vaginalis vaginitis, clinical aspects, pathology, diagnosis, review

Reproductive organs, Host
Barchet, S., 1972, Obst. and Gynec., v. 40 (4), 615-617
human Trichomonas vaginalis vaginitis, rapid accurate office procedure for diagnosis (VIP wet staining)

Reproductive organs, Host
Barclay, R., 1971, Med. J. Zambia, v. 5 (6), 201-203
night blood survey undertaken in area where abnormally high number of hydrocoele noticed in clinic outpatients, Dipetalonema perstans only microfilariae found: Luangwa Basin, Zambia

Reproductive organs, Host
Bartolini, R., 1973, Minerva Ginec., v. 25 (4), 196-204
human Trichomonas vaginalis, alterations in vaginal and uterine mucosa in presence of vaginal trichomoniasis and sterility

Reproductive organs, Host
Berry, A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 263-264 [Demonstration]
Schistosoma mattheei, S. haematobium, S. mansoni, single or mixed infections in humans, diagnosis of gynecological involvement using Papanicolaou cytologic smears

Reproductive organs, Host
Berry, A., 1976, Acta Cytol., v. 20 (4), 361-365
Schistosoma spp., differential diagnosis of ova especially when multispecies infections detected in female genital tract on cytology smears

Reproductive organs, Host
Biernat, A.; and Doroba, Z., 1976, Polski Tygod. Lekar., v. 31 (20), 857-858
Trichomonas vaginalis, urethral trichomoniasis in 24-year-old man with associated ulcerative balanitis of unknown etiology, resolution of both infections after metronidazole therapy: Warsaw

Reproductive organs, Host
Bolio Cicero, A.; Zavala Velazquez, J.; and Patron Sanchez, F., 1970, Prensa Med. Mexicana, v. 35 (5-6), 218-219
visceral larva migrans, case report of larval granuloma of scrotum in young child: Mexico

Reproductive organs, Host
Bourrel, P.; et al., 1972, Medecine Trop., v. 32 (2), 169-174
Dracunculus medinensis, localized in human scrotum, diagnosis and clinical management, surgical treatment

Reproductive organs, Host
Callihan, T. R.; Oertel, Y. C.; and Mendoza, M., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 572-573
Loa loa microfilaria found in routine cervico-vaginal smear of young woman, possibility of chronic genital filariasis: Washington, D. C. (immigrant from Nigeria)

Reproductive organs, Host
Catterall, R. D., 1972, Med. Clin. North Am., v. 56 (5), 1203-1209
Trichomonas vaginalis infections of human genital tract, clinical review, medical management, metronidazole

Reproductive organs, Host
Cheong, W. H.; and Tang, K. Y., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 138-139 [Demonstration]
probable Wuchereria bancrofti involvement of genitalia in man, excision of growth in left epididymis revealed apparent female adult filarial worm, no microfilariae found, case report: Kuala Lumpur, Malaysia

Reproductive organs, Host
Chipperfield, E. J.; and Evans, B. A., 1972, Clin. and Exper. Immunol., v. 11 (2), 219-223
Trichomonas vaginalis, influence of local infection on immunoglobulin formation in human endocervix observed using direct fluorescent antibody technique on specimens obtained by needle biopsy

Reproductive organs, Host
Chipperfield, E. J.; and Evans, B. A., 1975, Infect. and Immun., v. 11 (2), 215-221
Trichomonas vaginalis, concentrations of IgA and IgG in cervical mucus from patients attending clinic for sexually transmitted diseases, comparison of those using oral contraceptives and those with presumed normal ovulatory cycles

Reproductive organs , Host
Czorniuk, A.; and Stopinska-Gluszak, U., 1975, Patol. Polska, v. 26 (2), 299-302
Oxyuris vermicularis, woman with symptoms of abdominal tumor, which when removed surgically was inflammed oviduct with ova of pinworms in its wall and lumen, clinical case report: Warsaw, Poland

Reproductive organs, Host
Dominguez, A.; and Giron, J. J., 1976, Acta Cytol., v. 20 (3), 269-271
Toxoplasma [gondii] cysts in human vaginal smears, need for accurate differential diagnosis from cancer, possible source of congenital toxoplasmosis and/or abortions as well as individual reinfection

Reproductive organs, Host
Dondero, T. J., jr.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 64-73
Wuchereria bancrofti, human, type and frequency of clinical manifestations in an area of high intensity year round exposure, genitalia of males most commonly affected but in general little noticeable serious filarial disease: Howrah, near Calcutta, India

Reproductive organs, Host
Edington, G. M.; Nwabuebo, I.; and Junaid, T. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 153-162
Schistosoma haematobium in humans, review of autopsies for pathologic changes in appendix, brain, pancreas and reproductive organs, relationship of pathologic findings and egg burden to infection intensity: Ibadan, Nigeria

Reproductive organs, Host
Emamy, H., 1975, Pahlavi Med. J., v. 6 (1), 153-159
Echinococcus granulosus in human, primary hydatid cyst of uterus successfully removed surgically, case report: Isfahan, Iran

Reproductive organs, Host
Epureanu, P.; and Lesnic, C., 1970, Presse Therm. et Climat., v. 107 (2), 112-114
human trichomoniasis, chronic cervicitis and cervico-colpitis treated with sulfurous mineral water baths, inflammatory symptoms improved but there was no actual parasiticidal effects from the baths: Calimanesti, Roumanie

Reproductive organs, Host
Fernandez-Cid, A.; Dexeus, S.; and Callol, M. T., 1976, Progr. Obst. y Ginec., v. 19 (1), 39-46
Toxoplasma gondii pseudocysts discovered in cervical smears of women during routine cytologic examination, diagnostic tests for toxoplasmosis positive in 60% of these cases: Spain

Reproductive organs, Host
Fernandez-Cid, A.; Dexeus, S.; and Temprano, H., 1975, Progr. Obst. y Ginec., v. 18 (5), 505-512
Balantidium coli discovered in cervicovaginal smears of several women during routine cytologic examination, etiology unknown, may be laboratory contamination: Spain

Reproductive organs, Host
Fleury, F. J.; et al., 1977, Am. J. Obst. and Gynec., v. 128 (3), 320-322
Trichomonas vaginalis, symptomatic trichomonal vaginitis, both women and their male consorts treated with single dose metronidazole therapy, treatment effective, well-tolerated and less expensive than current recommended regimens

Reproductive organs, Host
Franceschini, P., 1975, Medecine Interne, v. 10 (8-9), 436-437
Trichomonas vaginalis in the human male reproductive organs, value of fasigyne treatment

Reproductive organs, Host
Gaal, R.; Rich, R.; and Hansman, D., 1968, Med. J. Australia, v. 1 (15), 634-635
Trichomonas vaginalis, incidence survey of antenatal patients for possible vaginal infections: Australia

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Reservoir hosts. [See also Disease transmission; Epidemiology; Epizootiology]

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Reservoir hosts
Gawish, N., 1975, Egypt. J. Bilharz., v. 2 (2), 245-253
Schistosoma mansoni in Arvicanthus niloticus established as possible reservoir host of human infection; dogs and fish (Tilapia nilotica) ingesting material containing ova may be of epidemiological importance: Gharbia Governorate, Egypt

Reservoir hosts
Geigy, R.; Kauffmann, M.; and Jenni, L., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 284-286 [Abstract]
wild mammals as possible reservoirs for sleeping sickness in the Serengeti, problems and possible solutions of blood incubation infectivity test for distinguishing Trypanosom[a] brucei-type from T. rhodesiense-type

Reservoir hosts
Graham, J. M., 1975, J. Parasitol., v. 61 (3), 513-516
Dirofilaria immitis, adult heartworms found in 11 of 133 Canis latrans, host age and sex, discussion as reservoirs: Kansas; Colorado

Reservoir hosts
Haile, T. T.; and Lemma, A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 180-181 [Letter]
Arvicanthis spp. as possible reservoir hosts of human leishmaniasis in Ethiopia

Reservoir hosts
Healy, G. R.; Spielman, A.; and Gleason, N., 1976, Science (4238), v. 192, 479-480
Babesia microti, Microtus pennsylvanicus and Peromyscus leucopus as apparent reservoirs of human infection: Nantucket Island, Massachusetts

Reservoir hosts
Herrer, A.; and Christensen, H. A., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 54-58
Leishmania braziliensis, human, endemic persistence of cutaneous leishmaniasis with occurrence of disease mainly in children, Choloepus hoffmanni as principal reservoir host with infections also found in Canis familiaris and Aotus trivirgatus, collection of potential phlebotomine sandfly vectors: El Aguacate, Panama

Reservoir hosts
Herrer, A.; and Christensen, H. A., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 59-63
Leishmania braziliensis, dogs, survey for natural cutaneous leishmaniasis, may serve as incidental reservoir host and/or liason of infection between jungle and forest settlements: Panama

Reservoir hosts
Herrer, A.; and Christensen, H. A., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 59-65
Leishmania braziliensis, epidemiological description of an outbreak of cutaneous leishmaniasis among a small group of settlers entering the forest to establish a homestead, natural infections found in dogs but not in 41 feral mammals, potential sandfly vectors: Loma de Mercurio, foothills of Cerro Azul, 50 km east of Panama City, Panama

Reservoir hosts
Herrer, A.; Christensen, H. A.; and Beumer, R. J., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 67-71
Leishmania braziliensis, epidemiological description of incidental occurrence of cases in a non-endemic settlement, men and dogs apparently acquired infections while hunting in nearby forest which was an endemic focus, infection also found in Bradypus infuscatus, potential phlebotomine vectors collected: Majecito Arriba, Bayano basin, Panama

Reservoir hosts
Howarth, J. A.; Hokama, Y.; and Amerault, T. E., 1976, J. Wildlife Dis., v. 12 (3), 427-434
Anaplasma marginale, detection in wild Odocoileus hemionus columbianus using modified card agglutination test, accuracy confirmed by calf inoculation with deer blood: California

Reservoir hosts
Howarth, J. A.; and McNeal, D. S., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 123-126
occurrence of Anaplasma marginale in susceptible cattle subjected to conditions of natural exposure where other cattle were excluded as source of infection, no infection occurred in cows placed on tick-proof platform in same pasture, findings give proof that persistent non-bovine reservoir exists (probably deer) and that arthropod transmission readily occurs: California

Reservoir hosts
Irvin, A. D.; et al., 1972, Vet. Rec., v. 91 (21), 513, 514-516, 517
theilerial piroplasms acquired by Rhipicephalus appendiculatus and R. simus (salivary glands) (exper.) fed on naturally infected Taurotragus oryx pattersonianus were not transmitted to cattle, role of eland in epidemiolgy of cattle theilerioses is questionable: Kenya

Reservoir hosts
Kistner, T. P.; and Koller, L. D., 1975, J. Wildlife Dis., v. 11 (2), 214-220
Fasciola hepatica, Odocoileus hemionus columbianus (exper.) more susceptible and pathologic changes more severe than in sheep (exper.), O. hemionus columbianus probably not able to maintain infection long enough to serve as significant natural reservoir for F. hepatica in domestic livestock

Reservoir hosts
Leger, N.; et al., 1976, Compt. Rend. Acad. Sc., Paris, v. 283, s. D (2), 187-190
Schistosoma mansoni 3 strains (Guadeloupe, Puerto Rico, African), immunological response in Rattus norvegicus var. albinos and Rattus rattus, R. rattus shows weak immunological response to the American strains and persistent infection, this may explain its role in schistosomiasis epidemiology in Guadeloupe

Reservoir hosts
Lipova, E., 1974, Veterinarstvi, v. 24 (11), 512
game animals as source of parasitoses in young cattle on pastures: Karlovy Vary

Reservoir hosts
Loehr, K. F.; and Meyer, H., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (2), 192-197
Anaplasma organisms isolated in splenectomized calves following blood inoculation from Connochaetes taurinus, Alcelaphus buselaphus cokii, and Gazella thomsonii, morphologically indistinguishable from Aepyceros melampus, mild reaction of receptor calves to antelope-derived infection and severe reaction to subsequent A. melampus challenge, indirect fluorescent antibody results established close antigenic relationship between antelope anaplasms and A. melampus and less so to Anaplasma centrale: Kenya

Reservoir hosts
Loehr, K. F.; Ross, J. P. J.; and Meyer, H., 1974, Tropenmed. u. Parasitol., v. 25 (2), 217-226
sera of 1505 game animals of 19 different species screened for antibodies to Anaplasma marginale, Babesia bigemina, and Theileria parva, capillary tube agglutination and indirect fluorescent antibody tests, antibodies more prevalent in sera of antelopes grazing in vicinity of non-dipped cattle than in areas where cattle are either dipped regularly or are not present at all, need for studies on transmission of these organisms from game to cattle and vice versa: Kenya; Tanzania; Uganda; Zambia

Reservoir hosts
Mahmoud, M. M.; and Elmalik, K. H., 1977, Trop. Animal Health and Prod., v. 9 (3), 167-170
Trypanosoma congolense, goats and calves, experimental infection compared, goats developed chronic form of trypanosomiasis, may be a possible reservoir host

Reservoir hosts
Mehlitz, D., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 86 [Letter]
at least 3 of 4 strains of trypanosomes of the subgenus Trypanozoon isolated from domestic pigs were serum-resistant in the blood incubation infectivity test (possibly or probably T. b[rucei] gambiense, at any rate potentially dangerous to man): Liberia

Reservoir hosts
Morales, G. A.; and Carreno, F., 1976, Trop. Animal Health and Prod., v. 8 (2), 122-124
Trypanosoma evansi, long-term chronic infection induced in Proechimys rats, pathology, possible laboratory model, possible reservoir host in Eastern Plain of Colombia; short-term infection induced in albino rats

Reservoir hosts
Mwambu, P. M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 286-287 [Abstract]
Trypanosom[a] rhodesiense, importance of cattle as natural reservoir hosts; T. brucei subgroup isolated from cattle, resistance to Ethidium, sensitivity to Berenil: Tanzania; Uganda

Reservoir hosts
Nassi, H.; Lancastre, F.; and Poirot, J., [1976], Ann. Parasitol., v. 50 (6), 1975, 731-733
Schistosoma mansoni infection of Rattus norvegicus not restricted to any particular habitat, role in dissemination of disease: Guadeloupe

Reservoir hosts
Ngoka, J. M.; and Mutinga, M. J., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 447-448 [Letter]
dog appears to be animal reservoir of human visceral leishmaniasis in Kacheliba, Rift Valley, Kenya

Reservoir hosts
Noblet, R.; and Moore, H. S. IV, 1975, J. Wildlife Dis., v. 11 (4), 516-518
Leucocytozoon smithi and Haemoproteus meleagridis in Meleagris gallopavo, wild turkeys as important reservoir hosts for Leucocytozoon smithi: South Carolina

Reservoir hosts
Presidente, P. J. A.; and Knapp, S. E., 1973, J. Wildlife Dis., v. 9 (1), 41-43
Dictyocaulus viviparus isolate from Odocoileus hemionus columbianus, bovine calves experimentally inoculated or naturally exposed on contaminated pasture, clinical response but no development of patent infections, implications for natural cross-transmission

Reservoir hosts
Prestwood, A. K.; Pursglove, S. R.; and Hayes, F. A., 1976, J. Wildlife Dis., v. 12 (3), 380-385
survey of parasites of Odocoileus virginianus and Ovis aries on common range, deer unlikely reservoir host for sheep parasites: Hardy County, West Virginia

Reservoir hosts
Purnell, R. E.; et al., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (2), 181-185
Theileria gorgonis, exacerbation in 4 splenectomized Connochaetes taurinus, failure to transmit to cattle by blood passage or via Rhipicephalus appendiculatus ticks despite establishment of parasite in ticks; exacerbated Anaplasma marginale infection in C. taurinus was successfully blood-passaged to calves; results indicate that blue wildebeest is probably not a reservoir for T. gorgonis but may be for A. marginale: Tanzania; Kenya

Reservoir hosts
Rasin, K., 1973, Vet. Med., Praha, v. 46, v. 18 (10), 619-624
Toxoplasma, incidence in Ondatra shown by complement fixation test and isolation, importance of muskrats as reservoir hosts and migratory carriers: Czechoslovakia

Reservoir hosts
Renshaw, H. W.; et al., 1977, J. Am. Vet. Med. Ass., v. 170 (3), 334-339
Anaplasma marginale, serologic survey of cattle; inoculation of Odocoileus hemionus hemionus blood into splenectomized calves and subinoculation into non-splenectomized cow, development of parasitemia: Idaho-Utah state boundary, near Stone, Idaho

Reservoir hosts
Rojas, A.; et al., 1973, Bol. Chileno Parasitol., v. 28 (1-2), 42-43
Trypanosoma cruzi, dogs and cats as reservoir hosts established by xenodiagnosis: Chile

Reservoir hosts
Romano, M. N.; et al., 1974, J. Wildlife Dis., v. 10 (3), 225-227
Echinococcus granulosus, prevalence of hydatid cysts in Odocoileus hemionus columbianus (lungs), probable transmission between deer and coyotes: California

Reservoir hosts
Schantz, P. M.; et al., 1976, Tropenmed. u. Parasitol., v. 27 (1), 70-78
significance of infectivity survey of domestic animals and wild carnivores as potential reservoir hosts of Echinococcus granulosus in Argentina, host-induced morphologic variations

Reservoir hosts
Sharpilo, L. D., 1976, Vestnik Zool., Akad. Nauk Ukrain. SSR, Inst. Zool. (1), 62-67
rodents as reservoir hosts for game and domestic animal infestation with larval helminths

Reservoir hosts
Sivanandam, S.; Mak, J. W.; and Lai, P. F., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 68-73
Brugia malayi, experimental infections of Rattus sabanus and R. muelleri show that both rats can support full parasite development but are poor hosts and probably not important in transmission of subperiodic infection to man in Malaysia

Reservoir hosts
Sousa, O. E.; and Dawson, G. A., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 407-409
Trypanosoma cruzi, T. rangeli, T. minasense found in Saguinus geoffroyi, high rate of infection suggests marmosets are important natural hosts: Panama Canal Zone

Reservoir hosts
Wells, E. A.; Angel, D.; and Morales, G., 1975, J. Protozool., v. 22 (3), 57A [Abstract]
Trypanosoma evansi, possible reservoir hosts: Llanos Orientales, Colombia, South America

Reservoir hosts
Winters, J. B.; and Worley, D. E., 1975, Am. J. Vet. Research, v. 36 (3), 327-329
Dictyocaulus viviparus, occurrence in beef cattle of various age groups, seasonal cycle, potential role of wild ruminants in epizootiology of lungworms: Park, Gallatin, and Ravalli counties, western Montana

Reservoir hosts
Young, A. S.; and Purnell, R. E., 1973, Trop. Animal Health and Prod., v. 5 (3), 146-152
tick (Rhipicephalus appendiculatus) transmission of Theileria lawrencei (Serengeti) from buffalo to cattle and between intact cattle (Bos taurus), difficult to produce infective stabilates

Reservoir hosts
Young, E., 1975, J. South African Vet. Ass., v. 46 (3), 285-286
echinococcosis, wildlife, incidence: Kruger National Park

Residues
Avrahami, M.; and White, D. A., 1975, N. Zealand J. Exper. Agric., v. 3 (4), 309-311
fenthion, topical spot-treatment for ectoparasites, ^{32}P radioisotope label, course through cow, residues in milk, urine, blood and feces

Residues
Becker, W., 1976, Berl. u. Munchen. Tierarztl. Wchnschr., v. 89 (23), 453-456
Panacur, sheep, goats, pigs and cattle, no residues harmful to human health found any time after oral administration of correct dose

Residues
Brebion, J.; Leimbacher, F.; and Carassus, P., 1977, Rev. Med. Vet., Toulouse, v. 128 (4), 485-496, 501-502
excretion of oxfendazole in feces, urine and milk of ewes, principally in feces, very little in milk

Residues
Dedek, W.; Schwarz, H.; and Liebaug, E., 1976, Arch. Exper. Vet.-Med., v. 30 (3), 423-426
rafoxanide, degradation and secretion by cattle and sheep

Residues
Delatour, P.; et al., 1976, Compt. Rend. Acad. Sc., Paris, v. 282, s. D (5), 517-518
parbendazole, mebendazole, cambendazole, teratogenic activity on embryos exper. established in rat and mouse, antimitotic properties demonstrated in vivo and in vitro on mouse tumors, implications for use in animals whose flesh or products (eggs, milk) are consumed by man

Residues
Duewel, D., 1977, Cahiers Bleus Vet. (26), 201-215
fenbendazole, efficacy against nematodes in various animals, useful as broad spectrum anthelmintic, mechanism of action, pharmacokinetics, metabolism, toxicology

Residues
Durez, J.; and Hargot, F., 1977, Ann. Med. Vet., v. 121 (1), 59-63
psoroptic mange, cattle, high pressure spraying with crotoxyphos, good results, no residues in milk, dairy products, or meat

Residues
Girardi, C.; and Colombatti Valle, V., 1976, Ann. Fac. Med. Vet. Torino, v. 23, 15-35
levamisole, helminths, sheep, cattle, elimination of metabolites in urine and feces, no residues in tissues and milk after 96 hours

Residues
Guttowa, A., 1975, Kosmos, Warsaw, s. A., Biol. (134), v. 24 (3), 223-229
parasiticides and environmental contamination, review

Residues
Heath, G. E.; et al., 1975, Am. J. Vet. Research, v. 36 (7), 913-917
rates of depletion of free sulfamethazine from edible tissues, blood, urine, and feces of turkey poults

Residues
Ivey, M. C.; Palmer, J. S.; and Washburn, R. H., 1976, J. Econom. Entom., v. 69 (2), 260-262
Oedemagena tarandi, intramuscular injections of famphur in reindeer, duration and deposition of drug residues

Residues
Kurtz, D. A.; and Kim, K. C., 1976, Pesticides Monit. J., v. 10 (3), 79-83
Antarctophthirus callorhini, Proechinophthirus fluctus (sucking lice of northern fur seals), residues of DDT, dieldrin, and PCB in both lice and seals: Pribilof Islands, Alaska

Residues
Perevozchenko, I. I.; and Davydov, O. N., 1974, Hydrobiol. J., v. 10 (6), 72-75
Ligula intestinalis, Bothriocephalus gowkongensis, Triaenophorus nodulosus, DDT residues in cestodes and fish hosts, natural and experimental conditions, cestodes more resistant than hosts

Resistance, Drug
Abioye, A. A., 1976, J. Trop. Med. and Hyg., v. 79 (11), 252-255
Entamoeba histolytica, drug (emetine, metronidazole) and immuno-diagnostic (fluorescent antibody, gel diffusion and latex agglutination tests) resistant amoebic hepatic abscess in man, case report, blood-abscess cavity barrier postulated as possible mechanism for diagnostic failure: Nigeria

Resistance, Drug
Agosin, M.; et al., 1976, Internat. J. Biochem., v. 7 (11), 585-593
Trypanosoma cruzi culture form, spectral characterization of microsomal and other hemoproteins, results suggest that cytochrome-P-450-linked monooxygenase system may be responsible for resistance of this parasite to antimicrobial drugs

Resistance, Drug
Bacchi, C. J.; et al., 1975, Antimicrob. Agents and Chemotherapy, v. 8 (6), 688-692
Leptomonas of insect origin, cross-resistance patterns of clones to a variety of medical and veterinary trypanocides and leishmanicides, potential as a model screening system

Resistance, Drug
Baker, J. A. F.; Thompson, G. E.; and Miles, J. O., 1977, J. South African Vet. Ass., v. 48 (1), 59-65
Amblyomma hebraeum, resistance to toxaphene, in vitro and in vivo trials: Republic of South Africa; Swaziland; Transkei

Resistance, Drug
Berger, J., 1975, J. South African Vet. Ass., v. 46 (4), 369-372
sheep, laboratory strain and parbendazole resistant field strain of Haemonchus contortus, resistant to five benzimidazoles, susceptible to levamisole and haloxon

Resistance, Drug
Campos, R.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 261-262
Schistosoma mansoni, human strain, resistance to hycanthone

Resistance, Drug
Canfield, C. J.; et al., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 524-526
clinical trials using trimethoprim in combination with sulfalene in treatment of drug resistant Plasmodium falciparum, results not as satisfactory as presently used regimens except in patients having repeated recrudescences after previous standard therapy

Resistance, Drug
Chapman, H. D., 1976, Avian Path., v. 5 (4), 283-290
Eimeria tenella, E. acervulina, E. maxima, incidence in broiler house used for commercial drug trials, resistance to various anticoccidials

Resistance, Drug
Chapman, H. D., 1976, Parasitology, v. 73 (3), 265-273
Eimeria tenella, factors influencing development of resistance to robenidine, chickens

Resistance, Drug
Chapman, H. D., 1976, Parasitology, v. 73 (3), 275-282
Eimeria tenella, infections in chicken embryo used to study drug resistance to decoquinate, clopidol, robenidine, and amprolium

Resistance, Drug
Chapman, H. D., 1976, Vet. Parasitol., v. 2 (2), 187-196
Eimeria tenella Houghton strain, chickens, monensin and lasalocid unable to completely control infection at 125 ppm, control achieved at higher levels but monensin was toxic, resistance could not be developed to either drug after 12 serial passages, however serial passage in presence of monensin resulted in increase in pathogenicity

Resistance, Drug
Charoenlarp, P.; and Harinasuta, T., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 135-137
Plasmodium vivax, humans, malarial relapse in 2 persons after conventional course of primaquine and chloroquine, cures obtained with increased dosages of both drugs: Thailand

Resistance, Drug
Charters, A. D.; and Davis, R. E., 1974, Med. J. Australia, v. 1 (14), 527-530
statistical review of human malaria infections imported into Western Australia, increasing incidence, drug resistance to commonly used antimalarials in 4 persons

Resistance, Drug
Cheong, W. H., 1964, Med. J. Malaya, v. 19 (1), 62-63
resistance of Cimex hemipterus to DDT and dieldrin; sensitivity to malathion: Malaysia

Resistance, Drug
Chinery, W. A.; et al., 1973, Ann. Trop. Med. and Parasitol., v. 67 (1), 75-80
Necator americanus, human, wide variation in response to bephenium hydroxynaphthoate may be due to specific tolerance of the drug: Accra

Resistance, Drug
Clyde, D. F.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (2), 38-41
chloroquine-resistant strain of Plasmodium falciparum from Indonesian New Guinea characterized in non-immune volunteers, resistant to most commonly used antimalarials, radical cure produced with mefloquine

Resistance, Drug
Clyde, D. F.; Han, C. M.; and Huang, Y. S., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 146 [Letter]
Plasmodium falciparum, human, isolation of strain, response to chloroquine: Beaufort District, Sabah

Resistance, Drug
Coles, G. C.; and Simpkin, K. G., 1977, Research Vet. Sc., v. 22 (3), 386-387
resistance of normal nematode eggs and eggs of benzimidazole-resistant Haemonchus contortus and Trichostrongylus colubriformis to ovicidal activity of benzimidazoles, observed that eggs from benzimidazole-resistant nematodes are resistant to benzimidazoles, may be useful as simple screen for detecting resistance

Resistance, Drug
Colglazier, M. L.; Kates, K. C.; and Enzie, F. D., 1975, J. Parasitol., v. 61 (4), 778-779
Haemonchus contortus, cambendazole-resistant strain, cross-resistance to thiabendazole, mebendazole, and oxibendazole, fully sensitive to levamisole

Resistance, Drug
Colwell, E. J.; Neoypatimanondh, S.; and Sadudee, N., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 496-500
Plasmodium falciparum, humans, clinical and parasitologic responses to quinine therapy show no evidence of quinine resistance in Central Thailand

Resistance, Drug
Dalgliesh, R. J.; and Stewart, N. P., 1977, Austral. Vet. J., v. 53 (4), 176-180
Babesia argentina, increased tolerance to imidocarb after repeated exposure, parasite virulence unaffected, exper.-infected non-splenectomized calves

Resistance, Drug
Damper, D.; and Patton, C. L., 1976, Biochem. Pharmacol., v. 25 (3), 271-276
Trypanosoma brucei, pentamidine transport, kinetics, specificity (competitive inhibition by other trypanocidal aromatic diamidines), structural specificity in relationship to varying drug affinities for transport site and possible role in drug cross-resistance

Resistance, Drug
Damper, D.; and Patton, C. L., 1976, J. Protozool., v. 23 (2), 349-356
Trypanosoma brucei brucei, T. b. rhodesiense, pentamidine transport and sensitivity, concluded that reduced drug uptake is primary mechanism of pentamidine resistance in trypanosomes

Resistance, Drug
Denek, J.; and Strossova, Z., 1977, J. Protozool., v. 24 (2), Suppl., 14A [Abstract]
field strains of Coccidia, development of resistance to clopidol: CSSR

Resistance, Drug
Dondero, T. J., jr.; et al., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (4), 574-578
Plasmodium falciparum, P. vivax, human malaria prevalence survey revealed no evidence of chloroquine resistance in surveyed areas of North Sumatra, Indonesia

Resistance, Drug
Dondero, T. J., jr.; Parsons, R. E.; and O'Holohan, D. R., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 488-494
P[lasmodium] falciparum, increased frequency of chloroquine resistance during 2-year survey of employees of rubber estate; P. vivax did not exhibit similar increase: Paroi Estate, near Kuala Lumpur, Malaysia

Resistance, Drug
Dondero, T. J., jr.; Parsons, R. E.; and Ponnampalam, J. T., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 149-154
Plasmodium falciparum, appreciable chloroquine and chloroquine combined with pyrimethamine drug resistance discovered in survey of peninsular area; no evidence of resistance with P. vivax and P. malariae: Malaysia

Resistance, Drug
Douglas, A. W.; et al., 1977, J. Med. Chem., v. 20 (7), 939-943
4-chlorobenzaldehyde 1-(4-chlorophenyl)-4(1H)-pyridinylidene hydrazone fluorosulfonate, broad-spectrum anticoccidial activity in chickens, action similar to that of robenidine in laboratory trials with E[imeria] tenella and E[imeria] acervulina; robenidine-resistant E[imeria] tenella strain also resistant to new compound

Resistance, Drug
Dvorak, J. A.; and Howe, C. L., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 58-63
Trypanosoma cruzi, effects of lampit on parasite penetration of vertebrate cells and intracellular parasite reproduction time, lampit resistant T. cruzi strain easily produced in vitro

Resistance, Drug
Ebisawa, I.; and Fukuyama, T., 1975, Ann. Trop. Med. and Parasitol., v. 69 (1), 131-132
Plasmodium falciparum, occurrence of chloroquine-resistant falciparum malaria from West Irian and East Kalimantan

Resistance, Drug
Ebisawa, I.; and Fukuyama, T., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 275-282
Plasmodium falciparum, human, 2 case reports with chloroquine resistance: West Irian; East Kalimantan

Resistance, Drug
Ebisawa, I.; Fukuyama, T.; and Kawamura, Y., 1976, Trop. and Geogr. Med., v. 28 (4), 349-354
Plasmodium falciparum, humans, additional foci of chloroquine resistant strain discovered in Indonesia, responsive to single-dose therapy with sulfadoxine-pyrimethamine or sulfamonomethoxine-pyrimethamine

Resistance, Drug
Eckman, J. R.; et al., 1977, J. Lab. and Clin. Med., v. 90 (4), 767-770
Plasmodium berghei in chloroquine-resistant and chloroquine-sensitive mice (exper.), studies confirm that malaria pigment is composed of precipitated host cell hemoglobin and suggest that drug resistance is accompanied by basic alteration in parasite-mediated hemoglobin catabolism

Resistance, Drug
Elslager, E. F., 1974, Progr. Drug Research, v. 18, 99-172
human malaria and filariasis, new perspectives on chemotherapy, extensive review

Resistance, Drug
Fitch, C. D., 1977, Life Sc., v. 20 (7), 1281-1284
Plasmodium berghei, chloroquine-resistant and -sensitive parasites have identical infective potencies, indicates that chloroquine-resistant parasites select and preferentially infect immature erythrocytes rather than lacking the capability of infecting mature erythrocytes

Resistance, Drug
Fitch, C. D., 1977, Life Sc., v. 21 (10), 1511-1514
chloroquine-resistant Plasmodium berghei found to be as susceptible to chloroquine as chloroquine-susceptible P. berghei in vitro, indicates that chloroquine resistance is due to inadequate exposure of the intracellular parasites to the drug

Resistance, Drug
Fitch, C. D.; Chevli, R.; and Gonzalez, Y., 1975, J. Pharmacol. and Exper. Therap., v. 195 (3), 389-396
Plasmodium berghei and P. vinckei chloroquine-resistant and -susceptible strains, P. berghei yoelii spontaneously resistant to chloroquine, variations of substrate-stimulated chloroquine accumulation

Resistance, Drug
Fitch, C. D.; Gonzalez, Y.; and Chevli, R., 1975, J. Pharmacol. and Exper. Therap., v. 195 (3), 397-403
Plasmodium berghei chloroquine-resistant and -susceptible, amodiaquin accumulation by infected mouse erythrocytes, comparison with chloroquine accumulation

Resistance, Drug
Foure, N.; et al., 1974, Bull. Inform. Station Exper. Avicult. Ploufragan (Cotes-du-Nord), v. 14 (3), 51-56
Eimeria tenella, E. necatrix, E. acervulina, Clopidol + methyl-benzoquate, presence of fully sensitive or double resistant strains

Resistance, Drug
Geddes, A. M., 1975, J. Antimicrob. Chemother., v. 1 (4), 349-350
chloroquine in malaria chemotherapy, brief review including recommendations for chloroquine-resistant strains

Resistance, Drug
Giannone, R., 1972, Minerva Ginec., v. 24 (7), 354-355
Trichomonas vaginalis, humans, increasing resistance to metronidazole: Lombardy, Italy

Resistance, Drug
Gilles, H. M.; and Clyde, D. F., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 367-368
Plasmodium falciparum, human, possible role of acetylator phenotype in alleged sulphonamide drug failures

Resistance, Drug
Glew, R. H.; et al., 1974, J. Infect. Dis., v. 129 (4), 385-390
Plasmodium falciparum in young girl, strain with resistance to chloroquine, quinacrine, pyrimethamine and chlorguanide, radical cure obtained with pyrimethamine and sulfadiazine in combination; delayed primary attack with Plasmodium vivax: Maryland (had traveled and engaged in field work in remote area of eastern Colombia)

Resistance, Drug
Goldstein, P. D.; and Patton, C. L., 1976, J. Protozool., v. 23 (2), 16A [Abstract]
Trypanosoma brucei, pentamidine transport in relation to antigenic variation and drug resistance

Resistance, Drug
Gothe, R., 1976, Berl. u. Munchen. Tierarztl. Wchnschr., v. 89 (15), 293-296
Chorioptes, cattle, Ektomin spray, good results, number of treatments correlated with intensity of infection; potentially useful against resistant mites

Resistance, Drug
Gothe, R.; and Hartig, M., 1975, Deutsche Tierarztl. Wchnschr., v. 82 (10), 413-419
ticks, resistance to acaricides, extensive review

Resistance, Drug
Gothe, R.; and Hartig, M., 1976, Zentralbl. Vet.-Med., Reihe B, v. 23 (3), 243-254
Boophilus microplus, organophosphorus-resistant strains, clenpyrin, chlordimeform, and chlormethiuron active

Resistance, Drug
Gregory, P. B., 1976, Gastroenterology, v. 70 (4), 585-588
case report of refractory hepatic amoebiasis in man despite multiple courses of emetine, chloroquine, and metronidazole, final resolution of infection after treatment of Entamoeba histolytica intestinal infection with various drugs considered as probable cause of continuing reinfection of liver: California

Resistance, Drug
Griffin, F. M., jr., 1973, N. England J. Med., v. 288 (26), 1397
Entamoeba histolytica hepatic abscess in Vietnam veteran, poor response to metronidazole therapy, possible drug resistance, apparent cure after emetine and chloroquine: Illinois

Resistance, Drug
Grimmond, T. R.; Donovan, K. O.; and Riley, I. D., 1976, Papua N. Guinea Med. J., v. 19 (3), 184-185 [Letter]
Plasmodium falciparum, chloroquine resistant strain discovered in Papua New Guinea

Resistance, Drug
Gundelfinger, B. F.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 393-396
statistics of survey for prevalence of human Plasmodium spp. and response of Plasmodium falciparum and P. vivax to standard dose of chloroquine; first record of P. ovale reported in Timor, Indonesia

Resistance, Drug
Hall, A. P.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 575-580
Plasmodium falciparum, humans, comparison clinical trials with chloroquine shows amodiaquine toxic and unsuccessful: Thailand

Resistance, Drug
Hall, A. P.; et al., 1977, Brit. Med. J. (6077) v. 1, 1626-1628
human falciparum malaria, comparison drug trials using quinine + fansidar or quinine + mefloquine in treatment of chloroquine resistant infection, both effective with few side effects: Thailand

Resistance, Drug
Han, C. M.; and Grimmond, T. R., 1976, Papua N. Guinea Med. J., v. 19 (4), 236-242
human Plasmodium falciparum, no evidence of chloroquine resistance in Maprik and Popondetta areas of Papua New Guinea

Resistance, Drug
Hogarth-Scott, R. S.; et al., 1976, Research Vet. Sc., v. 21 (2), 232-237
Haemonchus contortus, Trichostrongylus colubriformis, thiabendazole-resistant strains, efficacy of fenbendazole, sheep, implications for management of helminth disease in grazing animals with respect to benzimidazole-resistance

Resistance, Drug
Howell, C. J., 1977, J. South African Vet. Ass., v. 48 (1), 11-12
larvae and adult ticks in South Africa showed varying degrees of resistance to acaricides, brief review

Resistance, Drug
Howells, R. E.; and Maxwell, L., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 285-300
Plasmodium berghei, chloroquine-resistant and -sensitive strains, intraerythrocytic forms do not possess NAD- or NADP-dependent isocitrate dehydrogenase, elevation of levels of NADP-isocitrate dehydrogenase in reticulocytes, possible relationship of this reticulocyte stimulation to chloroquine resistance

Resistance, Drug
Howells, R. E.; and Maxwell, L. M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 19 [Demonstration]
Plasmodium berghei, isocitrate dehydrogenase activity in relation to mitochondrial changes during life-cycle; enhancement of enzyme activity greater in reticulocytes infected by chloroquine-resistant vs. -sensitive strain

Resistance, Drug
Hughes, F. H., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (2), 184-185
Plasmodium falciparum, probable chloroquine resistant malaria in woman who acquired infection while travelling in Central Java despite taking weekly prophylactic chloroquine-primaquine medication: Indonesia

Resistance, Drug
Ilemobade, A. A.; et al., 1975, Ann. Trop. Med. and Parasitol., v. 69 (1), 13-18
Trypanosoma vivax, 47 isolates from Zebu in northern Nigeria, none resistant to homidium, isolation more sucessful in exper. cattle than in sheep and not at all in goats

Resistance, Drug
Irvin, A. D.; and Young, E. R., 1977, Nature, London (5627), v. 269, 407-409
Babesia spp., in vitro test for screening drug activity which exploits finding that Babesia parasites readily incorporate hypoxanthine in an in vitro culture system, may also be used to detect drug resistance patterns and have possible application in primary screening of antimalarial drugs

Resistance, Drug
Jacobs, R. L.; and Koontz, L. C., 1976, Exper. Parasitol., v. 40 (1), 116-123
Plasmodium berghei, mice, induction of resistance to clindamycin and minocycline, cross-resistance patterns and other characteristics of resistant strains

Resistance, Drug
Jadin, J.; Timperman, G.; and De Ruysser, F., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 235-237
pyrimethamine-resistant Plasmodium berghei virulent strains, variations in virulence and biological behavior after cryopreservation

Resistance, Drug
Jansma, W. B.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 926-936
Schistosoma mansoni, genetically transferred resistance to hycanthone produced under 3 different types of conditions

Resistance, Drug
Jaroonvesama, N.; Harinasuta, T.; and Muangmanee, L., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (4), 504-509
Plasmodium falciparum, humans, case reports of 3 persons unsuccessfully treated with quinine, probable quinine-resistant strain, recrudescences or poor responses to therapy, complete cures only after fansidar therapy: Thailand

Resistance, Drug
Jaroonvesma [sic], N.; and Maegraith, B. G., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 588 [Demonstration]
P[lasmodium] berghei, comparison of changes in color of liver and kidney of mice and rats (both exper.) infected with chloroquine sensitive and resistant strains

Resistance, Drug
Jaroonvesma [sic], N.; and Reid, H. A., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 586-587 [Demonstration]
P[lasmodium] berghei, platelets and platelet aggregation in rats and mice (both exper.) infected with chloroquine sensitive and resistant strains of parasites

Resistance, Drug
Jeffers, T. K., 1976, Avian Dis., v. 20 (4), 649-653
Eimeria tenella, chickens, reduction of anticoccidial drug resistance by massive introduction of drug-sensitive attenuated strain in floor pens

Resistance, Drug
Jeffers, T. K., 1976, Ztschr. Parasitenk., v. 50 (3), 251-255
Eimeria tenella, decoquinate-sensitive, precocious strain crossed with decoquinate-resistant, normally developing strain, genetic recombination

Resistance, Drug
Jennings, F. W.; Whitelaw, D. D.; and Urquhart, G. M., 1977, Parasitology, v. 75 (2), 143-153
Trypanosoma brucei, mice, relationship between duration of infection and efficacy of chemotherapy, discovery of type of relapsing infection which in some respects resembles drug resistance but is apparently due to another cause since infections were always completely susceptible to chemotherapy administered at early stage of infection

Resistance, Drug
Jennings, F. W.; Whitelaw, D. D.; and Urquhart, G. M., 1977, Vet. Rec., v. 100 (17), 367
T[rypanosoma] brucei, mice (exper.), diminazene aceturate, relapse when administered later than 14 days post-infection, results suggest that trypanosomes are in insusceptible stage of development or in an inaccessible body location, not drug resistance

Resistance, Drug
Joyner, L. P., 1973, Folia Vet. Latina, v. 3 (1), 110-123
Eimeria adenoeides, Eimeria meleagrimitis, coccidiosis in turkeys, pathogenicity, age resistance, control, drug resistance, review

Resistance, Drug
Joyner, L. P.; and Norton, C. C., 1975, J. Protozool., v. 22 (3), 52A-53A [Abstract]
Eimeria maxima, transfer of drug resistance from one strain to another when passaged together in chicks

Resistance, Drug
Joyner, L. P.; and Norton, C. C., 1976, Parasitology, v. 73 (2), iii [Abstract]
Eimeria maxima, transferred drug resistance, balance of evidence supports view that transference phenomenon takes place by genetic recombination

Resistance, Drug
Joyner, L. P.; and Norton, C. C., 1977, Parasitology, v. 74 (2), 205-213
Eimeria maxima, genetic transfer of drug resistance, results support view that drug resistance factors are transferred at zygote formation, phenomenon took place between variants of the same species (Eimeria maxima var. indentata) but not between different species (Eimeria brunetti), transference not affected by treatment with acriflavine

Resistance, Drug
Kaddu, J. B.; and Warhurst, D. C., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 17-18 [Demonstration]
P[lasmodium] berghei, drug-sensitive and -resistant strains, action of minocycline and/or chloroquine

Resistance, Drug
Kigaye, M. K.; and Matthysse, J. G., 1973, Bull. Epizoot. Dis. Africa, v. 21 (4), 429-435
Rhipicephalus sanguineus, technique for testing acaricide (carbaryl and malathion) susceptibility with disposable pipette, can be used for monitoring development of tick resistance

Resistance, Drug
Kottl, M. A.; et al., 1975, J. Protozool., v. 22 (3), 40A-41A [Abstract]
Leptomonas, clones resistant to berenil, acriflavin, or pentamidine, kinetoplast and mitochondrion morphology and function

Resistance, Drug
Lai, C. H.; Tizard, I. R.; and Ingram, D. G., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 257-258 [Letter]
Toxoplasma gondii, strain maintained in mice (exper.), development of resistance to sulfadiazine

Resistance, Drug
Laing, A. B. G.; Gooi, H. C.; and Gelber, R. H., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 165-166 [Letter]
Plasmodium malariae in man being treated for leprosy with dapsone, apparent quartan malarial dapsone-resistant strain

Resistance, Drug
Lee, E. H.; et al., 1976, Vet. Rec., v. 99 (23), 466-467 [Letter]
Eimeria tenella, chickens, resistance to robenidine: Ontario

Resistance, Drug
Lee, E. H.; and Fernando, M. A., 1977, Canad. J. Comp. Med., v. 41 (4), 466-470
Eimeria tenella, robenidine-resistant strain recovered from broiler chickens infected with acute cecal coccidiosis, dose-response, infections established in chickens maintained at 4 times the recommended level of robenidine but no oocysts recovered when drug level increased eightfold; no infections found in chickens infected with sensitive strain of E. tenella and treated with robenidine

Resistance, Drug
Le Jambre, L. F., 1976, Vet. Parasitol., v. 2 (4), 385-391
Haemonchus contortus, Ostertagia circumcincta, technique for assay of thiabendazole resistance by hatching eggs in solutions of thiabendazole

Resistance, Drug
Le Jambre, L. F.; Southcott, W. H.; and Dash, K. M., 1976, Internat. J. Parasitol., v. 6 (3), 217-222
Haemonchus contortus, dose mortality response of strains selected by thiabendazole or by thiabendazole plus morantel tartrate to thiabendazole, morantel tartrate, or levamisole, results indicate that resistance to thiabendazole is due to a single gene and resistance to morantel tartrate is polygenic in nature

Resistance, Drug
Le Jambre, L. F.; Southcott, W. H.; and Dash, K. M., 1977, Internat. J. Parasitol., v. 7 (6), 473-479
Ostertagia circumcincta, resistance of selected lines to thiabendazole, morantel tartrate, and levamisole following 8 generations of selection in the laboratory and up to 4 years selection in the field: Australia

Resistance, Drug
Lewis, A. N.; Dondero, T. J., jr.; and Ponnampalam, J. T., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 310-312 [Letter]
P[lasmodium] falciparum, human, resistance to chloroquine suppression but sensitivity to chloroquine treatment: West Malaysia

Resistance, Drug
McCall, J. P.; and McCullough, C., 1977, Southwest. Vet., v. 30 (2), 159-160
strongylids, Parascaris equorum, horses (feces), thiabendazole, piperazine phosphate, good results; failure to demonstrate acquired drug resistance

Resistance, Drug
McLoughlin, D. K.; and Chute, M. B., 1973, Avian Dis., v. 17 (4), 717-721
Eimeria tenella, chickens (exper.), nequinate, good results against a sensitive strain and strains resistant to non-quinoline coccidiostats, development of nequinate-resistant strain, cross-resistance study

Resistance, Drug
Makrinos, M. G.; et al., 1974, J. Protozool., v. 21 (3), 445 [Abstract]
Leptomonas strains resistant to Berenil or to ethidium bromide, cytology, staining reactions, no apparent inhibition of kinetoplast DNA but nuclear DNA distinctly reduced in drug-adapted organisms

Resistance, Drug
Matthewson, M. D.; and Baker, J. A. F., 1975, J. South African Vet. Ass., v. 46 (4), 341-344
arsenic resistance or susceptibility in multi-host ticks: Republic of South Africa; Swaziland

Resistance, Drug
Meingassner, J. G.; and Mieth, H., 1976, Experientia, v. 32 (2), 183-184
Tritrichomonas foetus, induction of metronidazole resistance, marked cross-resistance to other 5-nitroimidazole-derivatives in vitro and in vivo

Resistance, Drug
Merkli, B.; and Peters, W., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 473-474
Plasmodium berghei berghei, selection for primaquine resistance, comparison of two different methods

Resistance, Drug
Mitrovic, M.; and Schildknecht, E. G., 1975, Poultry Science, v. 54 (3), 750-756
Eimeria tenella, chicks, efficacy of lasalocid against sulfaquinoxaline, nicarbazin, zoalene, amprolium, clopidol and 4-hydroxyquinoline resistant E. tenella strains; no resistance to lasalocid induced

Resistance, Drug
Mwambu, P. M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 286-287 [Abstract]
Trypanosom[a] rhodesiense, importance of cattle as natural reservoir hosts; T. brucei subgroup isolated from cattle, resistance to Ethidium, sensitivity to Berenil: Tanzania; Uganda

Resistance, Drug
Mwambu, P. M.; and Mayende, J. S. P., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 276-277 [Abstract]
Trypanosoma brucei subgroup isolates from cattle, game animals and tsetse-flies, resistance to ethidium

Resistance, Drug
Nakabayashi, T.; et al., 1974, Nettai Igaku (Trop. Med.), v. 16 (1), 1-10
Plasmodium falciparum, strain resistant to chloroquine discovered in Iwahig Penal Colony, Philippines

Resistance, Drug
Nayar, M. A.; and Isa, J. F. W., 1973, Bull. Epizoot. Dis. Africa, v. 21 (2), 153-157
Rhipicephalus evertsi larvae resistant to Gamma B. H. C.

Resistance, Drug
Nolan, J.; and Schnitzerling, H. J., 1976, Pesticide Biochem. and Physiol., v. 6 (2), 142-147
Boophilus microplus, acaricide-resistant vs. -susceptible strains, substrate specificity and catalytic efficiency of critical acetylcholinesterase component

Resistance, Drug
O'Holohan, D. R.; Dondero, T. J., jr.; and Ponnampalam, J. T., 1973, Med. J. Malaysia, v. 27 (4), 310
fansidar excellent drug for treatment of chloroquine resistant malaria but use as prophylaxis is experimental and not recommended

Resistance, Drug
Olatunde, A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 80-81
Plasmodium falciparum, humans, increasing evidence of chloroquine resistant strains in Africa

Resistance, Drug
Ono, T.; and Inoki, S., 1976, Biken J., v. 19 (2), 63-69
p-rosaniline-sensitive and -resistant strains of Trypanosoma gambiense in mice, interaction of p-rosaniline, furazolidon on kinetoplast; development of resistance, appearance of akinetoplastic forms

Resistance, Drug
Orkin, M.; Epstein, E.; and Maibach, H. I., 1976, J. Am. Med. Ass., v. 236 (10), 1136-1139
extensive review of treatment and control of human scabies and pediculosis

Resistance, Drug
Panda, N. C.; et al., 1973, Indian Vet. J., v. 50 (1), 22-26
coccidiosis, chicks, Bifuran, sulphaquinoxaline, development of resistance to single coccidiostat over 3 year period; good results against coccidia by alternating drugs yearly

Resistance, Drug
Pearlman, E. J.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1108-1115
Plasmodium falciparum, P. vivax, chloroquine resistant strains, field trials comparing efficacy of pyrimethamine combined with either sulfadoxine or diformyldapsone: Thailand

Resistance, Drug
Peters, W.; et al., 1977, Ann. Trop. Med. and Parasitol., v. 71 (4), 407-418
Plasmodium berghei, chloroquine sensitive and resistant strains, or mixed infections with P. yoelii nigeriensis, efficacy and mode of action of mefloquine in mice (exper.), evidence of potent blood schizontocide with effects enhanced by addition of pyrimethamine, sulfaphenazole or primaquine

Resistance, Drug
Peters, W.; and Gregory, K. G., 1973, Ann. Trop. Med. and Parasitol., v. 67 (2), 133-141
Plasmodium berghei-like parasite, N67 strain, primary resistance to mepacrine

Resistance, Drug
Peters, W.; and Porter, M., 1976, Ann. Trop. Med. and Parasitol., v. 70 (3), 271-281
Plasmodium berghei, drug trials with mice comparing activity of WR 122,455 against drug resistant strains with activity of common antimalarials

Resistance, Drug
Peters, W.; Portus, J. H.; and Robinson, B. L., 1973, Ann. Trop. Med. and Parasitol., v. 67 (2), 143-154
Plasmodium berghei, effect of chloroquine on development of resistance to sulphaphenazole, effect of other sulphonamides on sulphaphenazole-resistant line, effect of chloroquine on development of resistance to pyrimethamine, effect of chloroquine-pyrimethamine combination against chloroquine resistant strain first attacked with chloroquine alone

Resistance, Drug
Peters, W.; Portus, J. H.; and Robinson, B. L., 1975, Ann. Trop. Med. and Parasitol., v. 69 (2), 155-171
Plasmodium berghei, use of drug-sensitive strain and several drug-resistant lines derived from it for evaluation of a selection of old and new compounds, value as screening system for blood schizontocidal activity

Resistance, Drug
Peters, W.; Portus, J.; and Robinson, B. L., 1977, Ann. Trop. Med. and Parasitol., v. 71 (4), 419-427
Plasmodium berghei, mice (exper.), studies on development of resistance to mefloquine and possible means of slowing down resistance process by mixing mefloquine with pyrimethamine, sulfaphenazole or primaquine; recommendation that mefloquine be used only to treat chloroquine resistant P. falciparum

Resistance, Drug
Pfefferkorn, E. R.; and Pfefferkorn, L. C., 1976, J. Parasitol., v. 62 (6), 993-999
Toxoplasma gondii, adenine arabinoside inhibits DNA synthesis, more inhibitory to parasite than to cultured human fibroblast host cells, selection of single-step resistant mutant; cytosine arabinoside notably more inhibitory to cultured human cells than to T. gondii

Resistance, Drug
Pfefferkorn, E. R.; and Pfefferkorn, L. C., 1977, Exper. Parasitol., v. 42 (1), 44-55
Toxoplasma gondii, inhibition of growth and RNA and DNA synthesis by 5-fluorodeoxyuridine (FUDR), isolation and partial characterization of FUDR-resistant mutant also resistant to fluorouracil and fluorouridine, examination of possible mechanisms of resistance yielded new insights into pyrimidine salvage pathways of the parasite

Resistance, Drug
Podkulski, K.; et al., 1974, J. Protozool., v. 21 (3), 430 [Abstract]
Leptomonas, cloning populations resistant to Berenil and to acriflavin

Resistance, Drug
Porter, M.; and Peters, W., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 17 [Demonstration]
P[lasmodium] berghei berghei, two lines, development of resistance to WR 122,455, cross-resistance to quinine and possibly of one line also to chloroquine

Resistance, Drug
Raether, W.; and Seidenath, H., 1976, Tropenmed. u. Parasitol., v. 27 (2), 238-244
trypanocidal effects and action of preparation 98/202 in exper. Trypanosoma rhodesiense infections in Macaca arctoides (possible new animal model for late stages of T. rhodesiense infections in man); animals previously treated with pentamidine or diminazene developed resistance to treatment

Resistance, Drug
Ramos, O. L.; and Cabrera, B. D., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 562-568
Plasmodium falciparum, P. vivax, humans, evaluation of blood schizonticidal and radical curative activities of sulfamonomethoxine alone or combined with pyrimethamine in strains resistant and sensitive to chloroquine

Resistance, Drug
Rawlins, S. C.; and Mansingh, A., 1977, J. Econom. Entom., v. 70 (6), 697-698
Boophilus microplus, Amblyomma cajennense, and Anocentor nitens, susceptibility of Jamaican strains to various acaricides

Resistance, Drug
Rawlins, S. C.; and Mansingh, A., 1977, PANS, v. 23 (2), 137-142
Boophilus microplus, Jamaican strain, susceptibility to 35 acaricides, carbamates more effective than organophosphates or formamidines, chlorinated hydrocarbons least effective, comparison of resistance pattern with susceptible and resistant Australian strains

Resistance, Drug
Romanowski, R. D.; et al., 1975, J. Parasitol., v. 61 (4), 777-778
Haemonchus contortus, cambendazole-resistant vs. -sensitive strains, effect on fumarate reductase of cambendazole, thiabendazole, and levamisole

Resistance, Drug
Rosario, V. E., 1976, Nature (5561), v. 261, 585-586
Plasmodium chabaudi, genetic basis of chloroquine resistance investigated in crosses between lines differing additionally in pyrimethamine-susceptibility

Resistance, Drug
do Rosario, V. E., 1977, J. Protozool., v. 24 (2), Suppl., 4A [Abstract]
Plasmodium chabaudi, genetics of chloroquine resistance

Resistance, Drug
Rosario, V. E.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 287 [Demonstration]
Plasmodium chabaudi capacity of drug-resistant forms to compete with drug-sensitive forms in absence of drug pressure, pyrimethamine-resistant mutants are at disadvantage compared to sensitive forms but chloroquine-resistant mutants appear to outgrow sensitive forms

Resistance, Drug
do Rosario, V. E.; Walliker, D.; and Beale, G. H., 1977, J. Protozool., v. 24 (2), Suppl., 4A [Abstract]
P[lasmodium] chabaudi, competition between chloroquine-resistant and chloroquine-sensitive lines in absence of drug pressure, apparent selective advantage of resistant over sensitive forms

Resistance, Drug
Rosenberg, R.; and Maheswary, N. P., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 533 [Letter]
Plasmodium falciparum in humans, chloroquine resistant strain discovered in Bangladesh

Resistance, Drug
Roulston, W. J.; et al., 1977, Austral. J. Agric. Research, v. 28 (2), 345-354
Boophilus microplus, characterization of three strains of organophosphorus-resistant cattle ticks, resistance to organophosphorus and carbamate acaricides: Bajool, Tully and Ingham, northern Queensland

Resistance, Drug
Ryley, J. F.; and Hardman, L., 1977, J. Protozool., v. 24 (4), 43A [Abstract]
Eimeria mivati, E. acervulina, speciation studies using drug resistance as genetic marker, immunization experiments indicate little if any cross-immunity

Resistance, Drug
Schenone, H.; et al., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 11-14
experimental trials using lampit to treat human chronic Chagas disease, successful cures except for a few continued positive xenodiagnostic results suggesting an existing resistant strain of Trypanosoma cruzi: Chile

Resistance, Drug
Schmidt, L. H., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 446-474
Plasmodium falciparum and Plasmodium vivax in Aotus trivirgatus as model systems for chemotherapeutic studies, handling of animals, course of infections and response to standard antimalarial drugs compared with that in man, use of model in assessing activities of new agents and drug resistance

Resistance, Drug
Schmidt, L. H.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 837-849
Plasmodium cynomolgi in Macaca mulatta, P. vivax and P. falciparum in Aotus trivirgatus griseimembra (both exper.), therapeutic potentiation with combinations of pyrimethamine and sulfonamides, good response in pyrimethamine susceptible and resistant strains except for Malayan Camp and Vietnam Smith strains of P. falciparum

Resistance, Drug
Shanmugam, C. A. K.; et al., 1976, Indian J. Med. Research, v. 64 (9), 1314-1317
Plasmodium falciparum, P. vivax, humans treated with chloroquine and/or primaquine, follow-up for chloroquine sensitivity status: Tamil Nadu State, India

Resistance, Drug
Sholdt, L. L.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 532-533 [Letter]
Pediculus humanus humanus, evidence that human body lice are resistant to malathion: Ethiopia

Resistance, Drug
Simpkin, K. G.; and Coles, G. C., 1977, Parasitology, v. 75 (2), xv-xvi [Abstract]
nematodes, screening for benzimidazole resistance by measuring ovicidal activity of drugs

Resistance, Drug
Slocombe, J. O. D.; and Cote, J. F., 1977, Canad. Vet. J., v. 18 (8), 212-217
small strongyles, horses, cross resistance to cambendazole, thiabendazole, and mebendazole, susceptibility to non-benzimidazole compounds

Resistance, Drug
Smallman, B. N.; and Riddles, P. W., 1977, Pesticide Biochem. and Physiol., v. 7 (4), 355-359
Boophilus microplus, choline acetyltransferase activity uniform between organophosphorus-resistant and -susceptible strains, concluded that two enzymic components of cholinergic system are controlled independently

Resistance, Drug
Steinberg, M.; et al., 1971, J. Med. Entom., v. 8 (1), 68-72
body lice, human, comparison of Mobam and malathion; susceptibility of natural population of body lice to DDT, lindane, malathion, and Mobam (filter paper method); comparison of susceptibility of wild and laboratory-reared colonies of lice to DDT, lindane, and malathion: Korea

Resistance, Drug
Stone, B. F.; Nolan, J.; and Schuntner, C. A., 1976, Austral. J. Biol. Sc., v. 29 (3), 265-279
Boophilus microplus, 3 strains, biochemical genetics of resistance to organophosphorus acaricides: inheritance of decreased brain acetylcholinesterase activity, inheritance of decreased AChE sensitivity, inheritance of increased detoxication

Resistance, Drug
Stone, B. F.; Wilson, J. T.; and Youlton, N. J., 1976, Austral. J. Biol. Sc., v. 29 (3), 251-263
Boophilus microplus, 3 strains, linkage and dominance characteristics of genes for resistance to organophosphorus acaricides and allelic inheritance of decreased brain cholinesterase activity

Resistance, Drug
Sucharit, P.; et al., 1977, Ann. Trop. Med. and Parasitol., v. 71 (4), 401-405
Plasmodium falciparum, evaluation of relationships between chloroquine concentrations in in vitro cultures which inhibit maturation of asexual erythrocytic forms of parasite strains found in Thailand and the in vivo response of 3 parasite strains

Resistance, Drug
Tamas, T.; et al., 1977, Poultry Science, v. 56 (5), 1761 [Abstract]
Eimeria tenella, poultry, battery tests with MK-302, compared with six marketed coccidiostats; floor pen trials with birds in initial trial infected with five-species mixture of oocysts via feed; no cross resistance with other coccidiostats

Resistance, Drug
Tarozzi, F., 1974, Folia Vet. Latina, v. 4 (2), 275-286
strain of Eimeria acervulina resistant to amprolium + ethopabate and to sulphachlorpyrazine, efficacy of sulphachlorpyrazine + diaveridine + ethopabate, chickens

Resistance, Drug
Thaung, U.; Khai Ming, C.; and Myint Thein, 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 555-561
Xenopsylla cheopis, X. astia, flea vectors of human plague, rodent-vector survey, seasonal distribution, DDT susceptibility tests show fleas to be persistently resistant: Burma

Resistance, Drug
Tin, F.; and Nyunt Hlaing, 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (1), 104-112
Plasmodium falciparum, humans, proposed new treatment regimens for recently discovered infections resistant to standard doses of chloroquine, pyrimethamine, and proguanil: Burma

Resistance, Drug
Titova, T. S.; et al., 1976, Izvest. Akad. Nauk SSSR, s. Biol. (5), 754-759
Crithidia oncopelti, influence of olivomycine on changes in lipid composition and content of sensitive and resistant C. oncopelti cultures

Resistance, Drug
Traore Lamizana, M.; and Mouchet, J., 1976, Medecine et Malad. Infect., v. 6 (2), 48-52
Pediculus humanus capitis, studies on resistance of 3 strains from Paris schoolchildren to DDT, malathion and gamma HCH

Resistance, Drug
Trigg, P. I., 1976, Bull. World Health Organ., v. 53 (4), 399-406
Plasmodium spp., parasite cultivation in relation to chemotherapy of malaria with special application to chloroquine resistance, review of current aspects and new developments

Resistance, Drug
Uilenberg, G., 1975, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 28 (3), 405-408
Amblyomma variegatum, strain resistant to sodium arsenite in Madagascar, where arsenic has been used as dip for 40 years; susceptible strain from Dar-es-Salaam, Tanzania

Resistance, Drug
Valent, M.; et al., 1977, J. Protozool., v. 24 (2), Suppl., 16A [Abstract]
Trichomonas vaginalis, failure to isolate strain with in vitro resistance to metronidazole

Resistance, Drug
Valera, C. V.; and Shute, G. T., 1976, Bull. World Health Organ., v. 53 (4), 391-398
Plasmodium falciparum in humans, preliminary evaluation of distribution of chloroquine resistant strains and local incidence using the Rieckmann in vitro technique: Manila, the Philippines

Resistance, Drug
Varshney, T. R.; and Singh, Y. P., 1977, Indian J. Animal Sc., v. 46 (12), 666-668
Haemonchus contortus, sheep, resistance to phenothiazine and thiabendazole, critical and controlled conditions: Pashulok (Dehra Dun)

Resistance, Drug
Venkatesan, S.; and Ormerod, W. E., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 12-13 [Demonstration]
Trypanosoma brucei rhodesiense, antigenicity and stilbamidine resistance

Resistance, Drug
Verdrager, J.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (3), 58-66
chloroquine resistant Plasmodium falciparum reported in East Kalimantan, Island of Borneo, Indonesia, correlation of resistant malaria with area of dispersion of A[nopheles] balabacensis vector mosquitoes

Resistance, Drug
Wagner, K. P.; and Krassner, S. M., 1976, Exper. Parasitol., v. 39 (2), 222-233
Leishmania tarentolae promastigotes, replica-plating techniques, isolation of stable mutant strains resistant to chloramphenicol, isolation of cell lines stress-adapted to streptomycin and to high culture temperatures, factors influencing resistance, mode of action of chloramphenicol (inhibition of protein synthesis and proline oxidation)

Resistance, Drug
Walliker, D., 1976, Symposia Brit. Soc. Parasitol., v. 14, 25-44
Plasmodium, genetic techniques (hybridization and cloning; genetic markers--enzyme polymorphism, drug-resistance, etc.), genetic recombination experiments, genetic factors influencing host-parasite relationships (strain-specific immunity; virulence), symposium presentation

Resistance, Drug
Wang, C. C., 1976, Biochem. Pharmacol., v. 25 (3), 343-349
Eimeria tenella, relationship of respiration to sporulation and excystation, inhibition of respiration during sporulation and excystation by quinolone coccidiostats, amquinate-resistant strain much less subject to inhibition by quinolones, 2-hydroxynaphthoquinone coccidiostats are equally effective inhibitors against wild type and amquinate-resistant mutant

Resistance, Drug
Warhurst, D. C., 1973, J. Protozool., v. 20 (4), 529
Plasmodium berghei N67, P. berghei yoelii 17X, pigmented strains naturally resistant to chloroquine, surprisingly shown to possess high-affinity chloroquine receptors present in sensitive strains, presence of receptors apparently linked with production of haemozoin which will itself concentrate chloroquine, suggested that chloroquine interferes with sequestration of haemin as haemozoin

Resistance, Drug
Warhurst, D. C.; Robinson, B. L.; and Peters, W., 1976, Ann. Trop. Med. and Parasitol., v. 70 (3), 253-258
Plasmodium berghei, mice, erythromycin potentiation of action of chloroquine on chloroquine-resistant strains, comparison of oral and subcutaneous routes and erythromycin base and stearate

Resistance, Drug
Weppelman, R. M.; et al., 1977, Poultry Science, v. 56 (5), 1550-1559
Eimeria tenella, E. acervulina, E. maxima, chicks, narasin, monensin, lasalocid, comparison of efficacy, resistance and tolerance

Resistance, Drug
Weppelman, R. M.; Battaglia, J. A.; and Wang, C. C., 1977, Exper. Parasitol., v. 42 (1), 56-66
Eimeria tenella, selection and frequency of drug-resistant mutants in chickens medicated with optimal levels of drugs, mutants resistant to amquinate or glycarbylamide were isolated but this procedure failed to yield mutants resistant to amprolium, nicarbazin, robenidine, or monensin

Resistance, Drug
Wharton, R. H., 1976, World Animal Rev. (20), 8-15
tick resistance to acaricides, table of world-wide geographical and chronological records, alternate methods of tick control, comprehensive review

Resistance, Drug
Wilde, H., 1973, N. England J. Med., v. 289 (7), 378 [Letter]
Entamoeba histolytica, case reports of poor response of hepatic abscess to metronidazole therapy, cure after emetine, chloroquine and di-iodohydroxyquin: Thailand

Resistance, Drug
Wilkinson, R. N.; Noeypatimanondh, S.; and Gould, D. J., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 306-307
Plasmodium falciparum, malaria patients before and after chloroquine treatment, infectivity for Anopheles balabacensis and A. minimus, possible relationship to drug resistance: Thailand

Resistance, Drug
Williams, S. G.; and Fanimo, O., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 301-309
Plasmodium berghei, intracellular pH of rat erythrocytes parasitized with chloroquine-sensitive vs. resistant strains, no evidence to support hypothesis that intracellular pH of drug resistant strains is higher than that for sensitive strains

Resistance, Host. [See also Immunity]

Resistance, Host
Abd El-Fattah, M. M., 1973, Med. J. Cairo Univ., v. 41 (4), 327-330
possible synergistic interaction between schistosomal infection and protein malnutrition reducing host resistance and increasing parasite numbers, trials in mice

Resistance, Host
Adams, A. C.; John, D. T.; and Bradley, S. G., 1976, Infect. and Immun., v. 13 (5), 1387-1391
Naegleria fowleri, mice (exper.), course of disease dependent upon infecting dose, no significant modification of resistance by bacterial endotoxin or other test substances, high resistance to challenge in mice that survived primary infection

Resistance, Host
Ahluwalia, S. S., 1972, Indian J. Animal Sc., v. 42 (11), 962-964
Schistosoma incognitum, Macaca mulatta (exper.), infection tolerated for 3-4 weeks with sudden termination without becoming patent, subsequent resistance to challenge infection, negative Cercarien-Hullen reaction and intradermal test

Resistance, Host
Ahmad, R.; and Harpur, R. P., 1977, Canad. Fed. Biol. Soc., Programme and Proc. 20. Ann. Meet., v. 20, 72 [Abstract]
Trichinella spiralis, course of infection in rats, exercise had no effect on number of larvae recovered, physically fit rats had higher blood pressures and lower haematocrit values

Resistance, Host
Aitken, M. M.; et al., 1976, Brit. Vet. J., v. 132 (1), 119-120
Fasciola hepatica, cattle (exper.), increased susceptibility to Salmonella dublin

Resistance, Host
Ajayi, J. A.; and Todd, A. C., 1977, Brit. Vet. J., v. 133 (2), 166-174
Eimeria spp., lambs, two levels of aureomycin-sulphamethazine supplement, smaller dose permitted resistance to be acquired, higher dose suppressed coccidial growth and multiplication but did not permit development of resistance

Resistance, Host
Al-Khateeb, G. H.; and Hansen, M. F., 1974, Avian Dis., v. 18 (4), 507-514
Histomonas meleagridis, turkeys and chickens (both exper.), plasma enzyme levels used to evaluate susceptibility according to breed and age of host, duration of infection in chickens, effect of route of inoculation, and effect on virulence of the age of in vitro subcultures

Resistance, Host
Allonby, E. W.; and Urquhart, G. M., 1976, Research Vet. Sc., v. 20 (2), 212-214
Haemonchus contortus, Merino sheep, possible relationship between haemoglobin type and resistance to haemonchosis: Kenya

Resistance, Host
Al-Sammarrae, S. A.; and Sewell, M. M. H., 1977, Research Vet. Sc., v. 23 (3), 383-384
Dictyocaulus filaria, Soay and Blackface sheep, comparison of resistance, Soay sheep more susceptible

Resistance, Host
Andreadis, T. G.; and Hall, D. W., 1976, Exper. Parasitol., v. 39 (2), 252-261
Neoaplectana carpocapsae, encapsulation and melanization in Aedes aegypti, changes in host hemocytes and hemolymph proteins, distribution of DOPA-oxidase within hemocytes, hemocyte changes as possible pathological condition created by parasite, possible function of protein in host defense reactions

Resistance, Host
Araujo, F. G.; et al., 1976, Infect. and Immun., v. 13 (5), 1528-1530
Toxoplasma gondii, 7 inbred and outbred strains of mice, susceptibility to infection with trophozoites at 2 different doses, striking differences in susceptibility and changes of susceptibility with dosage change, may be due to genetic factors

Resistance, Host
Asch, H. L.; and Dresden, M. H., 1977, Comp. Biochem. and Physiol., v. 58 (1B), 89-95
Schistosoma mansoni, fractionation of normal human sera and plasma in order to identify inhibitors of the 'penetration' proteases

Resistance, Host
Bachmann, A. W.; et al., 1976, Tropenmed. u. Parasitol., v. 27 (3), 372-376
Babesia argentina, cattle, pre-infection levels of erythrocyte adenosine triphosphate, no significant correlation with susceptibility to infection

Resistance, Host
Bachmann, A. W.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (3), 361-366
Babesia argentina, experimental infection in Droughtmaster cattle which are somewhat resistant to babesiosis, no apparent correlation between hemoglobin types and resistance to infection

Resistance, Host
Bailenger, J.; and Cabannes, A., 1976, Ann. Parasitol., v. 51 (5), 563-576
Strongyloides ratti, lactating rats, inhibition of self-cure, decrease in intensity of parasitemia, plasma corticosteroid levels

Resistance, Host
Bain, O.; and Chabaud, A.-G., 1977, Ann. Parasitol., v. 52 (1), 84-86
Dipetalonema dessetae in Aedes aegypti, phenomenon of 'limitation' regulating numbers of microfilariae crossing stomach wall of vector

Resistance, Host
Baker, R. A., 1976, Parasitology, v. 73 (2), xxxiii [Abstract]
Unionicola intermedia on gills of Anodonta anatina, host response

Resistance, Host
Barr, A. R., 1975, Invert. Immun. (Maramorosch and Shope), 129-135
evidence for genetic control of invertebrate immunity and its possible field significance, review

Resistance, Host
Barriga, O. O., 1968, Bol. Chileno Parasitol., v. 23 (1-2), 33-37
Trichinella spiralis, resistance of chicks to experimental infection (intestinal phase)

Resistance, Host
Basch, P. F., 1976, Exper. Parasitol., v. 39 (1), 150-169
Schistosoma mansoni, intermediate host specificity (Biomphalaria), extensive review

Resistance, Host
Behnke, J. M., 1976, J. Helminth., v. 50 (3), 197-202
Aspiculuris tetraptera in wild Mus musculus of different ages, prevalence and level of infection decreased in older animals, either innate or acquired resistance could account for observations

Resistance, Host
Bezubik, B.; and Borowik, M. M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 17-24
Strongyloides papillosus, rats, natural resistance not broken down by cortisone

Resistance, Host
Bout, D.; et al., 1977, Ann. Immunol., v. 128C (4-5), 811-816
Schistosoma mansoni, mice, high resistance induced by intravenous inoculation of young live BCG 14 days before challenge

Resistance, Host
Bout, D.; et al., 1977, IRCS J. Med. Sc., v. 5 (1), 47
Schistosoma mansoni, inoculation of mice (exper.) with Bacillus Calmette Guerin (BCG) enhanced resistance of mice to parasitic infection

Resistance, Host
Bower, S. M.; and Woo, P. T. K., 1977, Exper. Parasitol., v. 43 (1), 63-68
Cryptobia catostomi, use of in vitro plasma incubation test in study of host specificity (plasma of 6 refractive fishes had cryptobiacidal titers) and of host resistance mechanism (suggested that alternate pathway of complement activation is one mechanism of 'natural immunity' by vertebrates that are related to the susceptible host)

Resistance, Host
Bremner, K. C.; Keith, R. K.; and Winks, R., 1976, Research Vet. Sc., v. 20 (3), 350-351
Oesophagostomum radiatum, castrated male calves, resistance to initial infection increases with age

Resistance, Host
Burdin, M. L.; and Boarer, C. D. H., 1972, Vet. Rec. (4894), v. 90 (11), 299-302
Theileria parva, Bos indicus, B. taurus and mixed breeds, glucose 6 phosphate dehydrogenase levels, haemoglobin types, relation to resistance: East Africa

Resistance, Host
Butcher, G. A.; Mitchell, G. H.; and Cohen, S., 1973, Nature (5410), v. 244, 40-42
Plasmodium knowlesi, ability of serum and of red cells from susceptible and resistant hosts to support growth and multiplication, properties of serum could not be correlated with susceptibility or resistance of donor species but properties of host erythrocytes did play a role, implications for mechanism of host specificity

Resistance, Host
Byford, I.; Colditz, P.; and Sibbick, R., 1976, Queensland Agric. J., v. 102 (1), 11-15
tick-resistant dairy cattle, Australian Friesian Sahiwal, high milk and beef production

Resistance, Host
Callow, L. L.; and Pepper, P. M., 1974, Austral. Vet. J., v. 50 (1), 1-5
Babesia argentina, cattle, measurement of and correlations between fever, changes in the packed cell volume and parasitaemia in evaluation of susceptibility to infection; results suggest that most or all of anemia of B. argentina infections is related to growth and multiplication of parasite, and not to an autoimmune mechanism

Resistance, Host
Chau, C-Y S. J.; and Freeman, R. S., 1976, J. Parasitol., v. 62 (5), 837-839
Taenia crassiceps, successful intraperitoneal passage in rats is dose-dependent, clearly more resistant than mice

Resistance, Host
Cheng, T. C.; and Garrabrant, T. A., 1977, Internat. J. Parasitol., v. 7 (6), 467-472
Biomphalaria glabrata totally or partially resistant to Schistosoma mansoni, acid phosphatase demonstrated in isolated granulocytes and used as marker to determine that cells comprising capsule surrounding mother sporocysts are granulocytes, process of encapsulation involves two stages, host cellular responses do not occur in susceptible snails

Resistance, Host
Chomicz, L., 1969, Acta Parasitol. Polon., v. 17 (1-19), 47-54
Strongyloides papillosus, immature and mature rabbits, blood picture, age and sex resistance

Resistance, Host
Cioli, D.; Knopf, P. M.; and Senft, A. W., 1977, Internat. J. Parasitol., v. 7 (4), 293-298
Schistosoma mansoni, survival, growth, and egg-laying capacity of worms surgically transplanted into permissive and nonpermissive hosts (from mice into rats or from rats into hamsters), results show that limitations imposed by nonpermissive hosts are reversible and that they affect maintenance of adults as well as progression of development

Resistance, Host
Clarke, B., 1976, Symposia Brit. Soc. Parasitol., v. 14, 87-103
argument that genetic interactions between parasites and their hosts have played important perhaps even dominant role in maintaining protein polymorphisms, 3 hypotheses with supporting evidence, mathematical models of specific and general host resistance, consequences for evolutionary theory, symposium presentation

Resistance, Host
Collins, W. E.; et al., 1976, J. Parasitol., v. 62 (2), 190-194
comparative infectivity of 2 strains of Plasmodium vivax to 4 strains of Anopheles albimanus as well as to A. freeborni and A. maculatus (all exper.)

Resistance, Host
Crandall, R. B., 1975, J. Parasitol., v. 61 (3), 566-567
Trichinella spiralis, C57Bl/6J mice, decreased resistance with age, prior infection prevented increased susceptibility of aged mice

Resistance, Host
Cypess, R. H.; et al., 1977, Exper. Parasitol., v. 42 (1), 34-43
Heligmosomoides polygyrus, temporal, spatial, and morphological population characteristics in LAF_1 vs. A/He mice examined in order to determine possible mechanisms responsible for differences in expression of resistance between these two mouse strains

Resistance, Host
Dineen, J. K.; et al., 1977, Internat. J. Parasitol., v. 7 (3), 211-215
Trichostrongylus colubriformis-vaccinated sheep, high level of protection against single-species homologous challenge, lowered level of protection against single-species challenge with T. vitrinus, no protection against single-species challenge with Nematodirus spathiger, high level of protection against all 3 species to simultaneous challenge with all 3 species, latter suggests that terminal effectors of resistance are immunologically non-specific

Resistance, Host
Dobos-Kovacs, M.; and Kardevan, A., 1976, Magy. Allat. Lapja, v. 98, v. 31 (1), 53-61
Toxoplasma, dogs, case histories and histopathology of generalized infection, tachyzoites, concurrent with distemper, generalized form of toxoplasmosis may be regarded as secondary infection associated mainly with distemper, reduced resistance making its manifestation possible

Resistance, Host
Doenges, J.; and Goetzelmann, M., 1977, Exper. Parasitol., v. 42 (2), 318-321
Isthmiophora melis, experimental reinfection of Lymnaea stagnalis by implantation of miracidia after implantation of rediae, evidence that reduction of infection success is not due to lack of attractiveness nor to surface barrier of snail but is caused by alteration of internal conditions, possibly by stimulated defense mechanism

Resistance, Host
Dojmi Di Delupis, G.; Palmieri, C.; and Piccione, G., 1972, Parassitologia, v. 14 (2-3), 305-308
Plasmodium gallinaceum, maintenance in lines of Anopheles stephensi selected for low or high receptivity, development of oocysts in various generations of both lines

Resistance, Host
Doyle, J. J., 1973, Research Vet. Sc., v. 14 (1), 97-103
Fasciola hepatica, calves (exper.), relationship between duration of primary infection and subsequent development of acquired resistance

Resistance, Host
Eaton, J. W.; et al., 1976, Nature (5588), v. 264, 758-760
Plasmodium berghei, mice, vitamin E-deficiency moderates course of infection, supports idea that oxidant sensitivity of host erythrocytes may limit severity of malaria

Resistance, Host
El-On, J.; and Bradley, D. J., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 281-282 [Demonstration]
cell lysates of splenocytes and peritoneal exudate cells from normal uninfected mice, analytical disc-electrophoresis and enzyme activity, comparison of animals susceptible vs. resistant to visceral leishmaniasis

Resistance, Host
Emslie, V. W.; and Kershaw, W. E., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 7 [Demonstration]
mice infected with Trypanosoma brucei, treated with antrypol and then infected with Litomosoides carinii, decreased host resistance to subsequent infection and to relapse from first infection, few visible immunologic changes observed

Resistance, Host
Farley, C. A., 1975, J. Protozool., v. 22 (3), 418-427
Minchinia nelsoni in Crassostrea virginica, epizootiologic relationships concerning parasite life cycle, pathologic effects on host, and effects of physical factors: mortality, incidence, seasonal prevalence of progressive disease stages, gross and histopathology, salinity and temperature effects, differences in host susceptibility between native and introduced hosts: Chesapeake Bay, Maryland

Resistance, Host
Fauve, R. M.; and Dodin, A., 1976, Compt. Rend. Acad. Sc., Paris, v. 282, s. D (1), 131-134
Schistosoma mansoni, mice, inflammatory reaction from subcutaneous injection of BCG or talc results in resistance to the parasite, speculation on possible mechanisms

Resistance, Host
Fistein, B.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 10 [Demonstration]
Trypanosoma cruzi: inheritance of ability of Rhodnius prolixus to transmit infection; natural and acquired inhibitory factors in animal sera against parasites in culture; ability of all immature and mature stages of Rhodnius prolixus to acquire and transmit infection

Resistance, Host
Foris, G., 1976, Acta Microbiol. Acad. Scient. Hungar., v. 23 (3), 271-276
Trypanosoma equiperdum in endotoxin-treated and non-treated rats, relationships of total dose of serially administered endotoxin, number of treatments, body weight of rats and germ count of inoculum to length of lag phase of trypanosomal growth

Resistance, Host
Fukuda, T.; Lindegren, J. E.; and Chapman, H. C., 1976, Mosquito News, v. 36 (4), 514-517
Helicosporidium sp. in Culex nigripalpus, susceptibility of various mosquito and other insect hosts, possible biological control agent: near Lake Charles, Louisiana

Resistance, Host
Fuller, G. K.; et al., 1976, Ann. Trop. Med. and Parasitol., v. 70 (2), 147-163
Leishmania donovani, human, epidemiologic skin test survey, endemic area, correlations with age, sex, occupation, parasite pathogenicity and host resistance: northwestern Ethiopia

Resistance, Host
Gardner, I. D.; and Remington, J. S., 1977, Infect. and Immun., v. 16 (2), 593-598
Toxoplasma gondii, mice, age-related decline in resistance to infection, possible role of serum factors and spleen cells in altered resistance of older mice

Resistance, Host
Gelpi, A. P.; and King, M. C., 1976, Science, v. 191 (4233), 1284
Plasmodium falciparum, P. vivax, Duffy blood group antigens, sickle cell trait carriers and resistance to malaria: Saudi Arabia

Resistance, Host
Gerber, H. M., 1975, J. South African Vet. Ass., v. 46 (3), 273-275
percutaneous infestation of pure strains of Oesophagostomum radiatum and O. columbianum respectively in calves and lambs, fecal egg counts, worm development and recovery

Resistance, Host
Giambrone, J. J.; et al., 1977, Poultry Science, v. 56 (1), 243-246
Eimeria tenella, increased susceptibility in chicks previously exposed to infectious bursal disease virus

Resistance, Host
Gibson, T. E.; and Everett, G., 1977, Brit. Vet. J., v. 133 (6), 559-563
Ostertagia circumcincta, sheep, pasture larval infection and fecal egg output lower in resistant animals (those with previous exper. infection and anthelmintic treatment), possible use of adult animals to graze contaminated paddocks as control measure

Resistance, Host
Gibson, T. E.; and Parfitt, J. W., 1972, Research Vet. Sc., v. 13 (6), 529-535
Trichostrongylus colubriformis, lambs, increased ability to develop resistance with increasing age, importance of grazing management designed to reduce hazard of infection for young animals

Resistance, Host
Gibson, T. E.; and Parfitt, J. W., 1976, J. Comp. Path., v. 86 (4), 547-555
Ostertagia circumcincta, sheep, phenothiazine and thiabendazole treatment, no influence on host resistance, slight effect on weight gain

Resistance, Host
Gingrich, R. E., 1975, Folia Entom. Mexicana (33), 67-69
migration behavior of larval Cuterebra fontinella in normal and resistant (previously infested) Peromyscus leucopus; faster migration and more abnormal sites in resistant hosts

Resistance, Host
Gingrich, R. E.; and Barrett, C. C., 1975, J. Med. Entom., v. 12 (1), 13-15
Hypoderma lineatum larvae, vitamin A deficiency in calves reduced host resistance to percutaneous invasion but had no effect on larvae injected subcutaneously

Resistance, Host
Gingrich, R. E.; and Barrett, C. C., 1976, J. Med. Entom., v. 13 (1), 61-65
Cuterebra fontinella, host specificity, acquisition of resistance by Peromyscus leucopus, effects of host sex on susceptibility to infection, localization of resistance, infestation by injection of larvae, interruption of infestation, effects of dose on resistance

Resistance, Host
Goetz, P.; Roettgen, I.; and Lingg, W., 1977, Ann. Parasitol., v. 52 (1), 95-97
humoral encapsulation as a defense reaction in Diptera

Resistance, Host
Golvan, Y.-J.; et al., [1976], Ann. Parasitol., v. 50 (5), 1975, 617-628
Schistosoma mansoni in different strains of Biomphalaria glabrata, parasite and host fecundity

Resistance, Host
Grove, D. I.; and Forbes, I. J., 1975, Med. J. Australia, v. 1 (11), 336-338
study suggests increased resistance to hookworm infestation in asthmatic and atopic population: Papua New Guinea

Resistance, Host
Grove, D. I.; Hamburger, J.; and Warren, K. S., 1977, J. Infect. Dis., v. 136 (4), 562-570
Trichinella spiralis, kinetics of infection in mice (exper.), immunologic responses, resistance to reinfections, pathology

Resistance, Host
Grove, D. I.; Mahmoud, A. A. F.; and Warren, K. S., 1977, J. Exper. Med., v. 145 (3), 755-759
Trichinella spiralis-infected mice depleted of eosinophils, no effect on spontaneous expulsion of adult worms from small intestines but numbers of larvae in muscles almost doubled, concluded that eosinophils contribute to resistance to systemic phase of trichinosis

Resistance, Host
Guttowa, A., 1969, Acta Parasitol. Polon., v. 16 (20-27), 1968-1969, 239-248
Triaenophorus nodulosus, amino acids composition and proportions similar to Eudiaptomus gracilis, copepod intermediate host; copepod amino acid composition basis for studies of host specificity and resistance

Resistance, Host
Hall, R. D.; and Gross, W. B., 1975, J. Parasitol., v. 61 (6), 1096-1100
Ornithonyssus sylviarum, chickens artificially selected for high or low levels of plasma corticosterone response to stress and housed to promote high or low levels of social interaction, effect on development of mite populations, host sex differences

Resistance, Host
Harmsen, R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 364-373
Trypanosoma brucei, low survival rate in Glossina pallidipes interpreted as in part result of establishment barrier which is less active in young vs. older flies, peritrophic membrane appears unlikely to be establishment barrier, postulated adjustment period for trypanosomes in flies supported by evidence on temperature sensitivity of parasite enzymes

Resistance, Host
Harry, O. G., 1977, Parasitology, v. 75 (2), xxix [Abstract]
Malpighamoeba locustae, encapsulation in dorsal septum and other areas of locusts

Resistance, Host
Hayes, D. E.; and Ward, R. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 184-185
Plasmodium falciparum infection induced in Aotus trivirgatus (exper.) using sporozoites of human origin, amino acid dl-methionine previously administered to monkey to reverse physiological conditions of hepatic environment and reduce barrier to infection

Resistance, Host
Hepler, D. I.; and Lueker, D. C., 1976, Experientia, v. 32 (3), 386-387
Nematospiroides dubius, high degree of native resistance of Peromyscus maniculatus to infection, infection only established with use of steroid treatment

Resistance, Host
Herd, R. P., 1977, Internat. J. Parasitol., v. 7 (2), 135-138
Echinococcus granulosus, dogs, immunization studies using arrested development and inhibition of egg production as criteria, indications that certain dogs have natural resistance which is not mediated by specific antibodies or sensitized lymphocytes to tapeworm secretory antigens

Resistance, Host
Herlich, H., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 52-54
Ostertagia ostertagi, lambs, no patent infections produced after oral inoculation of infective larvae but larvae did exsheath, enter gastric pits, undergo development to adolescent stage, and produce abomasal lesions; adults and mixture of larvae and adolescents recovered from calves and transferred to lambs orally did produce patent infections; mixture of larvae and adolescents recovered from lambs and transferred orally to lambs and calves did not produce patent infections

Resistance, Host
Hewetson, R. W.; and Lewis, I. J., 1976, J. Parasitol., v. 62 (2), 307-311
Boophilus microplus, cattle, development of resistance, comparison of effect of two regimens of infestation (small doses daily vs. large doses intermittently) on total tick drop and on repeatability of rankings made on animals for tick resistance

Resistance, Host
Heyneman, D.; and Lim, B. L., 1965, Med. J. Malaya, v. 20 (1), 67-68
correlation of habitat to rodent susceptibility to Angiostrongylus cantonensis infection

Resistance, Host
Holbrook, T. W.; and Palczuk, N. C., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 704-706
Leishmania donovani, 2 geographic strains compared with respect to degree of resistance of recovered mice to homologous and heterologous strain challenge

Resistance, Host
Hosier, D. W.; and Durning, J. P., 1975, J. Parasitol., v. 61 (3), 564-566
Nematospiroides dubius, male vs. female ICR mice challenged with 200 larvae after receiving one stimulating infection of 400 larvae, effect of gonadectomy or supplemental sex hormone treatment on worm burden

Resistance, Host
Howard, R. J., 1977, Parasitology, v. 75 (2), 241-249
Hymenolepis microstoma, change in worm susceptibility to host's resistance with increasing age of parasite suggested by experiments with worm growth in primary and secondary infection, with worms transplanted into naive or resistant mice, and with cortisone treatment of hosts

Resistance, Host
Hsu, S. Y. L.; et al., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 349-356
Schistosoma japonicum, S. mansoni, comparative studies on lesions caused by eggs in liver of hamsters, guinea pigs, and albino rats, relationship between host susceptibility and development of schistosome granulomata

Resistance, Host
Hughes, D. L.; Purnell, R. E.; and Brocklesby, D. W., 1977, Vet. Rec., v. 100 (15), 320-321
Fasciola hepatica in intact and splenectomised calves, effect of subsequent Babesia divergens infections, results show tendency for F. hepatica to exacerbate B. divergens infections of intact calves, but not splenectomised calves

Resistance, Host
Huheey, J. E.; and Martin, D. L., 1975, Experientia, v. 31 (10), 1145-1147
synergistic interaction between favism and glucose-6-phosphate dehydrogenase deficiency in protection against malaria: Mediterranean area

Resistance, Host
Invert. Immun. (Maramorosch and Shope), 1975, 365 pp.
workshop on invertebrate defense mechanisms

Resistance, Host
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responses of pigs to natural infections of Strongyloides ransomi and Ascaris suum and to superimposed artificial infection with Strongyloides ransomi: effects of breed (Duroc, Hampshire, Duroc-Hampshire crossbred), level of Strongyloides ransomi infection, and season (spring, fall) on performance of growing-finishing pigs

Resistance, Host
Johnson, P. T., 1977, J. Invert. Pathol., v. 29 (3), 308-320
Paramoeba perniciosa in Callinectes sapidus, seasonal and geographic distribution, symptoms and diagnosis, tissue location, morphology, and replication, pathology, host defense reactions, laboratory transmission: Chincoteague Bay, Virginia; Long Island Sound, Connecticut; Sandy Hook Bay, New Jersey

Resistance, Host
Joyner, L. P., 1973, Folia Vet. Latina, v. 3 (1), 110-123
Eimeria adenoeides, Eimeria meleagrimitis, coccidiosis in turkeys, pathogenicity, age resistance, control, drug resistance, review

Resistance, Host
Kamei, K.; Sato, K.; and Tsunematsu, Y., 1976, J. Parasitol., v. 62 (5), 714
Toxoplasma gondii, IVCS strain mouse highly susceptible even to parasite strains of low virulence, use in diagnosis by animal inoculation

Resistance, Host
Kamionek, M., 1977, Bull. Acad. Polon. Sc., Cl. II., s. Sc. Biol., v. 25 (4), 243-246
Neoaplectana carpocapsae in Hylemya antiqua, Pegomya hyoscyami, Hyponomeuta malinellus, and Aphis fabae (all exper.), host susceptibility, percentage and rate of mortality, intensity of infection

Resistance, Host
Katiyar, J. C.; and Sen, A. B., 1969, Indian J. Helminth., v. 21 (1), 81-85
Nippostrongylus brasiliensis, susceptibility of 3 strains of white rats to infection

Resistance, Host
Kemp, D. H.; et al., 1976, Parasitology, v. 73 (1), 123-136
Boophilus microplus on British breed cattle with different resistance levels, growth and attachment behaviour of larvae, desiccation of larvae in environment of host skin, movement to and accumulation in favored sites

Resistance, Host
Khachoian, V. I.; Arakelian, L. A.; and Balaian, D. E., 1976, Biol. Zhurnal Armenii, v. 29 (12), 31-34
Trypanosoma lewisi, exper. rats with copper-deficient diet, hypocupremia, acute invasive process ending in death; nonspecific resistance lowered

Resistance, Host
Kierszenbaum, F.; Ivanyi, J.; and Budzko, D. B., 1976, Immunology, v. 30 (1), 1-6
Trypanosoma cruzi, chickens, natural resistance, capacity of sera to lyse trypomastigotes in vitro, complement-dependent and antibody-independent phenomena

Resistance, Host
Knight, R. A.; and Rodgers, D., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 116
Haemonchus contortus, lambs, age resistance to single inoculation

Resistance, Host
Knopf, P. M.; Nutman, T. B.; and Reasoner, J. A., 1977, Exper. Parasitol., v. 41 (1), 74-82
Schistosoma mansoni, resistance to reinfection in rats, effects of varying experimental parameters, concluded that resistance not due to nutritional limitation on worm survival or to expulsion of primary-infection worms but is the result of an absolute decrease of challenge-infection worms in twice-infected rats

Resistance, Host
Kocan, R. M.; and Perry, M. C., 1976, J. Wildlife Dis., v. 12 (1), 30-33
Plasmodium sp. associated with high mortality in captive wild-trapped Aythya valisineria: Chesapeake Bay

Resistance, Host
Kretschmar, W.; and Voller, A., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 51-59
Plasmodium falciparum, suppression of malaria in Aotus trivirgatus fed exclusively on milk diet, indicates that P. falciparum is dependent on exogenous p-aminobenzoic acid supply for normal growth, supports view that dietary factors are involved in infant resistance to malaria

Resistance, Host
Krick, J. A.; and Remington, J. S., 1975, J. Infect. Dis., v. 131 (6), 665-672
mice infected with Toxoplasma gondii or Besnoitia jellisoni, significant resistance to mixed infections with nocardiosis, possible cell-mediated immunity

Resistance, Host
Krishnan, S.; et al., 1976, J. Nutrition, Bethesda, v. 106 (6), 784-791
Plasmodium berghei, vitamin A protein energy, undernourished rats, increased susceptibility to infection, lower host phagocytosis

Resistance, Host
Krupa, P. L.; Lewis, L. M.; and Del Vecchio, P., 1977, J. Invert. Path., v. 30 (1), 35-45
Schistosoma haematobium in Bulinus guernei, hemocyte-sporocyst interactions, electron microscopy

Resistance, Host
Lackie, A. M., 1976, Parasitology, v. 73 (1), 97-107
Hymenolepis diminuta, evasion of haemocytic defence reaction (encapsulation) of certain insects, results suggest that surface of cestode larvae may bear similarity to surface of host tissues and thus escape recognition as 'not-self' by host haemocytes

Resistance, Host
Laser, H.; and Klein, R., 1977, Biochem. Soc. Tr., v. 5 (1), 292-293
Plasmodium falciparum, possible mechanism for protection against malaria by sickle-cell trait, involves increased buffering by haemoglobin of fatty acids produced within erythrocyte by parasite, may prevent or retard release of merozoites and associated intravascular haemolysis

Resistance, Host
Laudisio, V.; Lirosi, G.; and Guarascio, A., 1970, Minerva Ginec., v. 22 (21), 1059-1063
human vaginal trichomoniasis, relationship between hormonal levels and predisposition to vaginal infections

Resistance, Host
Lehane, M. J.; and Laurence, B. R., 1977, Parasitology, v. 74 (1), 87-92
Brugia pahangi, susceptible and refractory mosquitoes, flight muscle ultrastructure, changes during parasite melanization in 'resistant' Anopheles labranchiae atroparvus, comparison with lack of change in 'susceptible' Aedes togoi and 'resistant' Aedes aegypti, decrease of glycogen in all 3 spp.

Resistance, Host
Le Jambre, L. F.; and Royal, W. M., 1976, Austral. Vet. J., v. 52 (4), 181-183
nematode worm burdens compared in naturally infected Angora goats and Merino sheep grazing intraspecifically or in mixed experimental paddocks (fecal egg counts showed no significant within-host differences); increased resistance of sheep to all worms except Nematodirus resulted in a significantly lower worm burden for sheep: Northern Tablelands of New South Wales

Resistance, Host
von Lichtenberg, F.; Sher, A.; and McIntyre, S., 1977, Am. J. Path. (419), v. 87 (1), 105-124
Schistosoma mansoni schistosomula, mice as experimental hosts for analyzing dynamics of cellular and humoral processes in lung, immunologic relationships to host resistance

Resistance, Host
Lie Kian Joe; and Heyneman, D., 1976, J. Parasitol., v. 62 (1), 51-58
Echinostoma lindoense, tissue reactions to sporocysts in sensitized and resensitized Biomphalaria glabrata, accelerated response after second challenge infection, three methods of elimination of invading sporocysts

Resistance, Host
Lie Kian Joe; and Heyneman, D., 1976, J. Parasitol., v. 62 (2), 292-297
laboratory-raised juvenile albino Biomphalaria, wide range of natural resistance to single infection with 50 or 100 miracidia of Echinostoma lindoense, migration route of sporocysts in relation to likelihood of sporocyst entrapment and encapsulation and destruction, tissue reactions, changes in amebocyte-producing organ

Resistance, Host
Lie Kian Joe; and Heyneman, D., 1976, J. Parasitol., v. 62 (2), 298-302
Biomphalaria glabrata, formation of amebocyte aggregates that fail to destroy Echinostoma lindoense sporocysts in heart, subsequent loss of protective capacity and high susceptibility to reinfection in snails harboring such an "escaped" infection

Resistance, Host
Lie, K.J.; and Heyneman, D., 1977, Exper. Parasitol., v. 42 (2), 343-347
Biomphalaria glabrata snails with acquired resistance to Echinostoma lindoense again become susceptible to this parasite following infection with either Paryphostomum segregatum or Schistosoma mansoni

Resistance, Host
Lie Kian Joe; Heyneman, D.; and Jeong, K. H., 1976, J. Parasitol., v. 62 (2), 286-291
Echinostoma lindoense-sensitized Biomphalaria glabrata, induction of ventricular capsules, changes in constituent amebocytes of capsule, relationship of sporocyst encapsulation to amebocyte-producing organ

Resistance, Host
Lie Kian Joe; Heyneman, D.; and Jeong, K. H., 1976, J. Parasitol., v. 62 (4), 608-615
survival period (avoidance of encapsulation) of Echinostoma lindoense sporocysts developing from irradiated miracidia was longer in Biomphalaria glabrata also harboring normal sporocysts of E. lindoense, Paryphostomum segregatum, or Schistosoma mansoni, homologous protection stronger than heterologous

Resistance, Host
Lie, K. J.; Heyneman, D.; and Richards, C. S., 1977, Exper. Parasitol., v. 43 (1), 54-62
Schistosoma mansoni, temporary reduction of natural resistance in Biomphalaria glabrata induced by irradiated miracidia of Echinostoma paraensei

Resistance, Host
Lie, K. J.; Heyneman, D.; and Richards, C. S., 1977, J. Invert. Path., v. 29 (2), 118-125
Biomphalaria glabrata, interference with natural resistance to Schistosoma mansoni by nonirradiated Echinostoma spp. larvae in concurrent infections

Resistance, Host
Long, P. L., 1971, Symposia Brit. Soc. Parasitol., v. 9, 65-75
maintenance of Eimeria and Histomonas in vivo, extensive review: maintenance of Eimeria (purification of species, exper. infections in chickens, factors affecting susceptibility of chickens and chicken embryos to infection; freeze-preservation); maintenance of Histomonas meleagridis (infection with ground-up infected tissues; use of in vitro cultures to obtain in vivo infections; use of embryonated Heterakis gallinarum ova to induce histomoniasis in vivo)

Resistance, Host
Macdonald, W. W., 1976, Symposia Brit. Soc. Parasitol., v. 14, 1-24
Aedes scutellaris complex, Culex pipiens, genetics, relevance to possible control of filariasis vector populations, symposium presentation

Resistance, Host
McGreevy, P. B.; McClelland, G. A. H.; and Lavoipierre, M. M. J., 1974, Ann. Trop. Med. and Parasitol., v. 68 (1), 97-109
Dirofilaria immitis, susceptibility of Aedes aegypti controlled by sex-linked recessive gene which is distinct from those controlling development of Brugia pahangi or D. corynodes, variation in filarial infectivity as well as in mosquito susceptibility

Resistance, Host
Mahmoud, A. A. F.; Warren, K. S.; and Strickland, G. T., 1976, Nature, London (5572), v. 263, 56-57
acquired resistance to infection with Schistosoma mansoni induced by Toxoplasma gondii, mice, probably a nonspecific mechanism totally different from that of specific immunity

Resistance, Host
Manuel, M. F.; and Rubio, M. E. A., 1975, Philippine J. Vet. Med., v. 14 (2), 65-73
Eimeria tenella, resistance of native, Vantress broiler and white leghorn chicks compared

Resistance, Host
Mason, S. J.; et al., 1977, Brit. J. Haematol., v. 36 (3), 327-335
Plasmodium knowlesi, evaluation of role of Duffy blood group negative erythrocytes in host resistance to invasion by P. knowlesi merozoites

Resistance, Host
Mattern, C. F. T.; and Keister, D. B., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 393-401
axenically cultured Entamoeba histolytica in mice (brain) (exper.), pathology and pathogenicity of virulent and avirulent strains, variations in host response related to host age

Resistance, Host
Mattern, C. F. T.; and Keister, D. B., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 402-411
axenically cultured Entamoeba histolytica in newborn hamsters (liver) (exper.), pathology of hepatic infections, variations in strain virulence, host response related to host age

Resistance, Host
Maudlin, I., 1976, Nature, London (5565), v. 262, 214-215
Trypanosoma cruzi, selection of both susceptible and refractory lines of Rhodnius prolixus, results of selection program related to genetic control of susceptibility to infection, using only male bugs of susceptible stock for xenodiagnosis should enhance sensitivity of this diagnostic test for chronic Chagas' disease

Resistance, Host
Meszaros, J.; and Varga, I., 1976, Acta Vet., Budapest, v. 26 (3), 377-383
Capillaria hepatica in Cavia porcellus and mice (both exper.), fewer liver lesions in C. porcellus than in mice, eventual disintegration of parasites in C. porcellus, apparently not a very susceptible host

Resistance, Host
Meyers, T. R.; and Millemann, R. E., 1977, J. Parasitol., v. 63 (4), 728-733
Margaritifera margaritifera, comparative susceptibility of 6 species of salmonid fishes to infection with glochidia using known numbers of parasites under controlled conditions, mortality rates

Resistance, Host
Michel, J. F.; Lancaster, M. G.; and Hong, C., 1976, Internat. J. Parasitol., v. 6 (1), 83-86
Ostertagia ostertagi females, variation in form of vulval flap, effect of genetic factors much smaller than effect of host resistance

Resistance, Host
Michelson, E. H., 1975, Invert. Immun. (Maramorosch and Shope), 181-195
gastropod molluscs, cellular defense mechanisms and histopathologic alterations, review

Resistance, Host
Miller, L. H.; et al., 1976, N. England J. Med., v. 295 (6), 302-304
Plasmodium vivax, resistance factor in African and American blacks, Duffy determinants on erythrocyte surface required for invasion of erythrocyte by vivax merozoites (Duffy-blood-group-negative human erythrocytes resistant to invasion)

Resistance, Host
Miller, L. H.; and Carter, R., 1976, Exper. Parasitol., v. 40 (1), 132-146
mechanisms of innate resistance in malaria, extensive review

Resistance, Host
Miller, L. H.; McAuliffe, F. M.; and Mason, S. J., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 204-208
erythrocyte receptors for malaria merozoites: Duffy blood group system and invasion by Plasmodium knowlesi and P. vivax, erythrocyte requirements for invasion by P. falciparum, workshop report

Resistance, Host
Morrow, D. T.; Wescott, R. B.; and Davis, W. C., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 382-386
Trypanosoma cruzi in mice (exper.), long-term treatment with Bayer 2502 did not destroy host's ability to withstand challenge infections and indicated that host "cured" of acute infection may be resistant to reinfection

Resistance, Host
Murray, M.; and Rushton, B., 1975, Symposia Brit. Soc. Parasitol., v. 13, 27-41
Fasciola hepatica, cattle, sheep, hepatic fibrosis, types, time of onset, possible mechanisms underlying genesis, factors affecting deposition (possibly immunological mechanism), importance as mechanism of host resistance

Resistance, Host
Nadakal, A. M.; et al., 1973, Riv. Parassitol., Roma, v. 34 (3), 185-191
Raillietina tetragona, resistance potential of four breeds of domestic fowl on protein-deficient diet, normal development of worms seems independent of quantity of protein ingested by host, protein deficiency symptoms were intensified with worm infection

Resistance, Host
Nappi, A. J., 1975, Invert. Immun. (Maramorosch and Shope), 293-326
parasite encapsulation in insects, review

Resistance, Host
Nayar, J. K.; and Sauerman, D. M., jr., 1975, J. Insect Physiol., v. 21 (12), 1965-1975
Dirofilaria immitis, susceptibility of various species of mosquitoes, patterns of microfilarial development, sites of blockage or prevention of infection, possible physiological factors (substances in salivary gland secretion, melanization of microfilariae)

Resistance, Host
Neilson, J. T. M., 1976, Tropenmed. u. Parasitol., v. 27 (2), 233-237
a comparison of the acquired resistance to Dipetalonema viteae stimulated in hamsters by trickle versus tertiary infections

Resistance, Host
Newland, B. G.; and John, D. T., 1977, Virginia J. Sc., v. 28 (2), 65 [Abstract]
Plasmodium berghei, mice, pretreatment with bacterial endotoxin and lipid A (endotoxin-pretreated mice demonstrated increased resistance; lipid A had little effect)

Resistance, Host
Niec, R.; et al., 1976, Gac. Vet., Buenos Aires (315), v. 38, 457-466
gastrointestinal nematodes, sheep, effect of thiabendazole drenches on buildup of host resistance; might be advisable to accept moderate degree of parasitism in sheep up to 9-10 months of age, avoid unnecessary anthelmintic treatment that could prevent normal buildup of resistance

Resistance, Host
Obiamiwe, B. A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (4), 487-490
sub-periodic Brugia malayi, periodic Wuchereria bancrofti, influence of the sb gene in Culex pipiens vectors on susceptibility to parasite development

Resistance, Host
Obiamiwe, B. A.; and MacDonald, W. W., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 32-33 [Demonstration]
Brugia pahangi, effect of heparin on migration of microfilariae in Culex pipiens, uptake of microfilariae in C. pipiens and infectivity of C. pipiens in relation to microfilarial densities, evidence of sex-linked gene controlling susceptibility of C. pipiens to infection

Resistance, Host
Oduye, O. O.; and Dipeolu, O. O., 1976, J. Small Animal Practice, v. 17 (5), 331-337
blood parasites of dogs, single and mixed infections, correlation between incidence and rainfall, degree of parasitaemia, infectivity rate within age groups, no significant difference in host susceptibility of local and exotic breeds to infection: Ibadan, Nigeria

Resistance, Host
O'Kelly, J. C.; and Spiers, W. G., 1976, J. Parasitol., v. 62 (2), 312-317
Boophilus microplus, infestation of British vs. zebu calves in early life (nat. and exper.), differences in resistance, changes in blood composition

Resistance, Host
Olisa, E. G.; et al., 1977, Exper. Parasitol., v. 41 (2), 307-313
Toxoplasma gondii RH strain, differences in survival time of four strains of mice each infected with various doses

Resistance, Host
Orihel, T. C., 1975, Invert. Immun. (Maramorosch and Shope), 65-73
peritrophic membrane, role as barrier to infection, review

Resistance, Host
Ørnbjerg Christensen, N.; Nansen, P.; and Frandsen, F., 1976, Ztschr. Parasitenk., v. 50 (1), 67-71
Fasciola hepatica, attachment and penetration of miracidia into Lymnaea truncatula and host resistance as measured by radioselenium labelling of miracidia; penetration not limited by already existing infection

Resistance, Host
Ortega, M.; and Tay, J., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 6-11
Trypanosoma cruzi, laboratory trials comparing oral, ocular, conjunctival, nasal and skin scarification routes to infect albino mice

Resistance, Host
Owczarzak, A.; et al., 1977, J. Cell Biol., v. 75 (2), Part 2, 97a [Abstract]
Schistosoma mansoni primary sporocysts, destruction by minicytes (blood cells) of Biomphalaria glabrata

Resistance, Host
Owen, R. R., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 110-111 [Demonstration]
Brugia pahangi, analysis of pattern of migration of microfilariae over 3 hours following blood meal distinguishes susceptible and refractory members of the Aedes scutellaris complex

Resistance, Host
Ow-Yang, C. K.; Lim, H. K.; and Lie, K. J., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 135 [Demonstration]
Fasciola gigantica in Lymnaea rubiginosa (exper.), increased host resistance with increased host age

Resistance, Host
Paige, C. J.; and Craig, G. B., jr., 1975, J. Med. Entom., v. 12 (5), 485-493
Brugia pahangi, variation in susceptibility among 29 strains of Aedes aegypti, possible implications for role of A. aegypti as vector of human filariasis in East Africa

Resistance, Host
Partono, F.; and Sri Oemijati, 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 516-518
Wuchereria bancrofti, susceptibility of Culex pipiens fatigans to infection, laboratory studies, genetic studies with three generations of mosquitoes, evidence of modifier genes

Resistance, Host
Pasvol, G.; and Weatherall, D. J., 1977, Brit. J. Haematol., v. 36 (3), 445-446 [Abstract]
P[lasmodium] falciparum, host resistance to infection probably related to genetics and acquired alterations in red blood cells

Resistance, Host
Pasvol, G.; Weatherall, D. J.; and Wilson, R. J. M., 1977, Nature, London (5633), v. 270, 171-173
Plasmodium falciparum in vitro, preferential invasion of young red cells but no difference in rate of development in red cells of differing ages, foetal haemoglobin (Hb F) has no direct effect on rate of invasion of red cells but does cause retardation of parasite growth and development and may therefore offer some degree of protection, this may be possible mechanism for maintenance of β thalassaemia polymorphism since there is a retardation of rate of decline of Hb F production in infants heterozygous for β thalassaemia

Resistance, Host
Paulsen, O., 1977, Lancet, London (8045), v. 2, 984 [Letter]
Giardia lamblia, suggestion that achlorhydria may be predisposing factor to human intestinal giardiasis

Resistance, Host
Pesson, B.; and Leger, N., 1975, Ann. Parasitol., v. 50 (4), 425-437
Hymenolepis nana var. fraterna, attempts to infect Leucophaea maderae, only a few embryos are able to pass through midgut wall, cellular and hemocytic reactions prevent further development and embryos cannot reach cysticercoid stage

Resistance, Host
Pesson, B.; and Leger, N., 1977, Ann. Parasitol., v. 52 (1), 78-80
Hymenolepis nana var. fraterna, fate in refractory host (Leucophaea maderae), inability of parasite to cross host intestinal wall and host hemocytic response as two components of host defensive reaction, former not suppressed by radiation of host but latter is suppressed

Resistance, Host
Pfadt, R. E., 1976, J. Econom. Entom., v. 69 (3), 313-316
annual fluctuation of Melophagus ovinus population among lambs, yearlings, and older ewes (lowest ked numbers present in summer, highest numbers in late winter and early spring): foothills of southeastern Wyoming

Resistance, Host
Phillips, R. S.; and McDonald, V., 1977, Parasitology, v. 75 (2), xxxiii-xxxiv [Abstract]
Plasmodium chabaudi in irradiated mice, depression of early primary parasitemia, nonspecific resistance

Resistance, Host
Pinero Venegas, F.; and Guevara Pozo, D., 1973, Rev. Iber. Parasitol., v. 33 (1), 3-10
Trichinella spiralis, differences in susceptibility of two strains of laboratory mice measured by survival time of mice and degree of muscular infestation

Resistance, Host
Poliakova-Krusteva, O.; et al., 1974, Izvest. Tsentral. Khelmint. Lab., v. 17, 111-117
Dicrocoelium lanceatum, pigs (exper.), morphological and histochemical changes in liver, resistance of this host to infection noted

Resistance, Host
Premvati, G.; and Chopra, A. K., 1977, Indian J. Zoot., v. 16 (1), 1975, 1-5
Nippostrongylus brasiliensis, infective larvae exposed to various doses of ultraviolet rays, development, sex ratio of adult worms, no resistance in rats challenged with lethal dose of untreated larvae subsequent to lethal dose of irradiated larvae

Resistance, Host
Preston, A. M.; and El-Khatib, S. M., 1977, J. Parasitol., v. 63 (5), 943-945
Schistosoma mansoni, mice, stress of pregnancy did not appear to increase number of worms developed as compared to non-pregnant controls

Resistance, Host
Rajasekariah, G. R.; and Howell, M. J., 1977, Internat. J. Parasitol., v. 7 (2), 119-121
Fasciola hepatica, effects of different doses of metacercariae and of host age on parasite establishment in rats, neither crowding effect nor competitive inhibition occurred, factors involved in age resistance develop at about 10 weeks of age

Resistance, Host
Ranque, P.; Quilici, M.; and Debaene, A., 1972, Medecine Trop., v. 32 (4), 499-503
Arvicanthis niloticus, exper. infections with varying strains of Leishmania tropica, L. donovani and L. sp., minimal skin infections with no secondary visceral invasion

Resistance, Host
Richards, C. S., 1976, Symposia Brit. Soc. Parasitol., v. 14, 45-54
Schistosoma mansoni in Biomphalaria glabrata, genetics of host-parasite relationship, selection for substrains more and less infective than parent St. Lucian strain of parasite, snail susceptibility to these substrains, symposium presentation

Resistance, Host
Richards, C. S., 1977, Exper. Parasitol., v. 42 (1), 165-168
Schistosoma mansoni, susceptibility reversal with age in Biomphalaria glabrata

Resistance, Host
Richey, E. J.; et al., 1977, Am. J. Vet. Research, v. 38 (2), 169-170
Anaplasma marginale, cattle, resistance after chlortetracycline elimination of latent infections is similar to that after killed-antigen vaccination of animals with no record of infection

Resistance, Host
Rickard, M. D.; Coman, B. J.; and Cannon, R.M., 1977, Vet. Parasitol., v. 3 (1), 1-9
Taenia pisiformis, dogs, demonstration of age resistance but not of acquired immunity

Resistance, Host
Roberts, C. J.; and Gray, A. R., 1973, Trop. Animal Health and Prod., v. 5 (4), 220-233
Trypanosoma vivax, T. congolense, T. brucei, N'dama, Muturu, and Zebu cattle (exper.), comparison of host resistance, pathology; N'dama cattle demonstrated more resistance than other breeds

Resistance, Host
Rodriguez, P. H., 1973, J. Med. Entom., v. 10 (2), 194-197
Brugia pahangi in Aedes aegypti (exper.), susceptibility of different strains to infection

Resistance, Host
Rodriguez, P. H., 1975, J. Med. Entom., v. 12 (4), 447-450
Brugia pahangi, developing larvae in 3 susceptible strains of Aedes aegypti, decrease in susceptibility in high temperature stress

Resistance, Host
Romestand, B.; Janicot, M.; and Trilles, J. P., 1977, Ann. Parasitol., v. 52 (2), 171-180
tissue alterations and defense reactions in fish parasitized by Cymothoidae

Resistance, Host
Saowakontha, S., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (4), 586-592
Trichinella spiralis, rats (exper.), effects of different levels of protein in diet on numbers of intestinal worms and muscular larvae and on intensity of infections in hosts of varying weights and ages

Resistance, Host
Schantz, P. M.; et al., 1976, Tropenmed. u. Parasitol., v. 27 (1), 70-78
susceptibility of wild carnivores to Echinococcus granulosus, potential as reservoir hosts in Argentina, host-induced morphologic variations

Resistance, Host
Schawalder, P., 1976, Schweiz. Arch. Tierh., v. 118 (5), 203-216
parasite fauna of dogs, epidemiological and ecological parameters (resistance in relation to age, seasonal distribution in relation to ecological factors): Bern area, Switzerland

Resistance, Host
Schillhorn v. Veen, T., 1974, Nigerian J. Animal Prod., v. 1 (2), 231-236
comparison of parasite fauna between emaciated and normal cattle in Zaria and Samaru slaughterhouses during 1973 (a drought year); poor nutrition lowers resistance of cattle and sheep to parasitism in drought-affected areas of Zaria; suggestions for prevention of helminthiasis during drought: Nigeria

Resistance, Host
Schillhorn van Veen, T.; and Brinckman, W. L., 1975, Samaru Agric. Newsletter, v. 17 (2), 70-74
Haemonchus contortus, Trichostrongylus sp., Oesophagostomum sp., lambs, regular drenching with thiabendazole at regular intervals during rainy season, better weight gain, cost/benefit; possible influence of resistance and breed of sheep

Resistance, Host
Schleger, A. V.; et al., 1976, Austral. J. Biol. Sc., v. 29 (5-6), 499-512
Boophilus microplus larvae on cattle, cellular responses, degree of mast cell disruption, eosinophil concentration and degranulation and extent of epidermal vesiculation all greater in highly resistant hosts, possible immune mechanisms and effects on attachment and feeding

Resistance, Host
Seah, S. K. K., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 76-77 [Letter]
Toxoplasma gondii, pretreatment and treatment with vitamin C offers some protective effect in experimental infection in mice

Resistance, Host
Sen, D. K.; and Lin, V. K., 1977, Virginia J. Sc., v. 28 (1), 9-12
Trypanosoma duttoni, resistance of mice increased by holothurin administered before and during infection with trypanosomes, higher level of parasitemia observed in mice treated after infection with trypanosomes, possible mechanisms

Resistance, Host
Seureau, C.; and Quentin, J. C., 1977, Ann. Parasitol., v. 52 (4), 457-470
comparison of larval migration of 17 subulurid and spirurid nematodes in Locusta migratoria (exper.), course and duration of migration, histopathologic consequences, brief discussion of relation to phylogeny of nematodes and host hemocytic defense reaction

Resistance, Host
Siddiqui, M. A.; and Kershaw, W. E., 1976, Ann. Trop. Med. and Parasitol., v. 70 (3), 313-322
Litomosoides carinii, laboratory transmission to Delhi and Carworth strains of Rattus norvegicus, relationships between transmission intensity and worm recovery, possible age resistance

Resistance, Host
Sinclair, K. B., 1975, Research Vet. Sc., v. 19 (3), 296-303
Fasciola hepatica, sheep exposed to preliminary and challenge infections, pathophysiology (circulating eosinophils, plasma proteins, and glutamate dehydrogenase, voluntary dry matter intake, plasma loss in feces), no evidence of acquired resistance to physiological effects of infection

Resistance, Host
Small, A. J.; and Kendall, S. B., 1977, Parasitology, v. 75 (2), x [Abstract]
Oesophagostomum quadrispinulatum, rate of development in pigs, resistance of pigs to re-infection

Resistance, Host
Smith, H. J., 1976, Canad. J. Comp. Med., v. 40 (4), 334-340
strongyles, reinfection of thiabendazole treated ponies, development of patent infections, cyclic pattern of worm egg outputs

Resistance, Host
Soulsby, E. J. L., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 28-43
role of host response in parasite control: host-parasite specificity; evasion of host response by parasites; utilization of host response by passive or active immunization, review

Resistance, Host
Sroczynski, J., 1977, Polski Tygod. Lekar., v. 32 (17), 637-638
Plasmodium falciparum, relatively mild course of infection in persons with sickle cell anemia

Resistance, Host
Stabler, R. M.; and Braun, C. E., 1975, J. Wildlife Dis., v. 11 (4), 482-483
Trichomonas gallinae, occurrence of virulent and avirulent strains, differential susceptibility of Columba spp., effect of previous infections with virulent or avirulent strains

Resistance, Host
Stepanian, S. G.; et al., 1976, Biol. Zhurnal Armenii, v. 29 (10), 82-86
Ascaridia galli, chickens, role of colamine phosphate in heightening natural host resistance (strengthened hemopoiesis, increased vitamin C in blood plasma and tissue, increased organic action of acid soluble fraction of phosphate in blood)

Resistance, Host
Stewart, S. J.; et al., 1976, Exper. Parasitol., v. 40 (3), 373-379
Polyplax serrata, mice, effects of limb disability and consequent inability to groom on lousiness: failure to induce immune tolerance after neonatal exposure

Resistance, Host
Stockdale, P. H. G.; and Niilo, L., 1976, Canad. Vet. J., v. 17 (2), 35-37
Eimeria zuernii, production of bovine coccidiosis, treatment with dexamethasone enhances reproduction by parasite, produces acute disease rather than mild infection, possibly lowers host resistance

Resistance, Host
Stone, W. B.; Roscoe, D. E.; and Weber, B. L., 1976, N. York Fish and Game J., v. 23 (2), 182-183
Sarcoptes scabiei var. canis, nat. and exper. transfer from red foxes to humans, mites unable to reproduce well in human tissue

Resistance, Host
Strother, G. R.; Burns, E. C.; and Smart, L. I., 1974, J. Med. Entom., v. 11 (5), 559-563
Amblyomma americanum, purebred Brahman cattle and Brahman x Hereford crossbreds considerably more resistant than purebred Herefords as measured by average yield and weight of replete female ticks and egg hatchability

Resistance, Host
Sucharit, S.; and Macdonald, W. W., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 71-77
Brugia pahangi, rats (exper.), selection program in which rats susceptible to infection were selectively bred, increase in microfilaria rate by F4 generation, resistance to infection in older male rats seemed to be reduced

Resistance, Host
Sullivan, J. J.; and Chernin, E., 1976, Internat. J. Parasitol., v. 6 (1), 75-78
Brugia pahangi and Dipetalonema viteae compared, differences in oral vs. subcutaneous infection of anaesthetized vs. unanaesthetized adult vs. neonatal Meriones unguiculatus

Resistance, Host
Terwedow, H. A., jr.; and Craig, G. B., jr., 1977, Exper. Parasitol., v. 41 (2), 272-282
Waltonella flexicauda, development controlled by genetic factor in Aedes aegypti, this factor for susceptibility did not control development of Brugia pahangi or Dirofilaria immitis

Resistance, Host
Terwedow, H. A., jr.; and Craig, G. B., jr., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 86-91
Waltonella flexicauda, development in culicine mosquitoes, variation in mosquito susceptibility, selection for susceptibility, defining refractoriness

Resistance, Host
Tosta, C. E.; and Filho, N., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 531 [Letter]
Plasmodium berghei, factor(s) in normal adult rat serum not related to malarial antibodies that causes decrease in infectivity of parasite

Resistance, Host
Toure, S. M., 1977, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 30 (2), 157-174
review of knowledge of trypanotolerance, genetic and immunological, ecological and pathophysiological factors

Resistance, Host
Townson, H., 1974, Ann. Trop. Med. and Parasitol., v. 68 (2), 239-240
Brugia pahangi, development in male Aedes aegypti of 'refractory' genotype, females remained refractory even when larvae were introduced by inoculation

Resistance, Host
Tripp, M. R., 1970, J. Reticuloendothel. Soc., v. 7 (2), 173-182
defense mechanisms of mollusks, review

Resistance, Host
Turner, H. M.; and McKeever, S., 1976, Internat. J. Parasitol., v. 6 (6), 483-487
Taenia taeniaeformis, development of refractory responses in Mus musculus (White Swiss strain) from 10th to 100th day postpartum, gut and liver phases of infection compared histologically

Resistance, Host
Undeen, A. H., 1976, J. Invert. Path., v. 27 (3), 343-347
in vivo germination of Nosema algerae in mosquitoes, role in host susceptibility (Anopheles stephensi and A. albimanus most susceptible; A. quadrimaculatus and Culex pipiens relatively unsusceptible; A. atroparvus almost completely refractory), differences in midgut pH and passage rate through midgut not accountable for differences in spore germination percentages

Resistance, Host
Voelker, J.; and Sachs, R., 1977, Tropenmed. u. Parasitol., v. 28 (2), 137-144
natural infections of Mandrillus leucophaeus and Perodicticus potto suggest accidental involvement in life cycle of Paragonimus africanus, experimental infections show Macaca mulatta to be highly susceptible to P. africanus and somewhat resistant to P. uterobilateralis

Resistance, Host
Wagland, B. M., 1975, Austral. J. Agric. Research, v. 26 (6), 1073-1080
Boophilus microplus, responses of previously unexposed Bos taurus and Bos indicus to four infestations with 20,000 tick larvae, concluded that resistance to Boophilus microplus in Bos indicus is an acquired not an innate phenomenon

Resistance, Host
Walsh, R. D.; and Olson, J. K., 1976, Mosquito News, v. 36 (2), 154-160
Lankesteria culicis, host susceptibility to infection, parasite mortality results from its inability to penetrate peritrophic membrane of mosquito to gain access to epithelial cells

Resistance, Host
Weathersby, A. B., 1975, Invert. Immun. (Maramorosch and Shope), 273-288
haemocoel as barrier to parasite infection in insects, review

Resistance, Host
Williams, R. E.; Hair, J. A.; and Buckner, R. G., 1977, J. Econom. Entom., v. 70 (2), 229-233
Amblyomma maculatum, effects of high and low tick infestations on blood composition and weights of steers fed a standardized diet; decreased numbers of ticks on cattle over time, possibly due to acquired resistance

Resistance, Host
Wilson, R. J. M.; and Pasvol, G., 1977, J. Protozool., v. 24 (2), Suppl., 4A-5A [Abstract]
Plasmodium falciparum, distribution and growth compared in human red blood cells containing adult vs. fetal hemoglobins, results suggest that young metabolically active cells may be preferentially invaded but that parasite growth was impaired in fetal cells, this may be an important protective mechanism for both fetus and newborn

Resistance, Host
Wong, M. M., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (6), 479-490
Dirofilaria immitis in normal and immunosuppressed Macaca spp., histopathology, W.B.C. and eosinophil counts, radiological examination, serological examination by IFA test, recovery of adult worms only in immunosuppressed hosts indicates that host susceptibility rather than parasite infectivity was the factor concerned

Resistance, Host
Woodard, D. B.; and Fukuda, T., 1977, Mosquito News, v. 37 (2), 192-195
Diximermis peterseni as biological control agent for Anopheles quadrimaculatus, laboratory resistance, mechanism is behavioural (avoidance of attack and snapping at nematodes by mosquito larvae during exposure)

Resistance, Host
van Wyk, J. A.; van Rensburg, L. J.; and Heitmann, L. P., 1976, Onderstepoort J. Vet. Research, v. 43 (2), 43-54
Schistosoma mattheei, Merino and Dorper sheep (exper.), influence of host age and breed on infestation (host susceptibility, cercarial penetration and development to adults, distribution of worms in host, worm sex ratio, egg excretion); variation in cercarial infectivity

Resistance, Host
Yoshino, T. P.; and Cheng, T. C., 1977, J. Invert. Path., v. 30 (1), 76-79
Biomphalaria glabrata, aminopeptidase activity in hemolymph and body tissues, possible role of this enzyme relative to resistance to infection (including Schistosoma mansoni)

Resistance, Host
Yousif, F.; and Laemmler, G., 1975, Ztschr. Parasitenk., v. 47 (3), 203-210
Angiostrongylus cantonensis, infectivity to various species of snails under standardized conditions measured by rate of infection, length of development, snail survival rate, rate of recovery of larvae; formula developed for "Capacity Index"

Resistance, Host
Zherebkin, M. V., 1976, Apiacta, v. 11 (1), 5-9
Nosema disease, resistance in honey bees, relationship of the enzyme chimozine to peritrophic membrane in midgut and protection against parasite

Resistance, Host
Zielke, E., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 36-44
Culex pipiens fatigans, Aedes aegypti, selection of strains differing in susceptibility to Dirofilaria immitis, demonstrated that inheritance of susceptibility in Aedes aegypti is controlled by sex-linked recessive gene, also found that susceptibility to infection with Brugia pahangi is on same chromosome but in different locus

Resistance, Host
Zielke, E.; and Kuhlow, F., 1977, Tropenmed. u. Parasitol., v. 28 (1), 68-70
Wuchereria bancrofti, variations in susceptibility of Culex pipiens fatigans vector mosquitoes to infection based on genetic factors

Respiration. [See also Oxygen; Metabolism]

Respiration
Asanji, M. F.; and Williams, M. O., 1975, Ztschr. Parasitenk., v. 47 (2), 151-163
trematode metacercarial excystment, enzymes, various non-enzymic media, temperature, pH, osmotic pressure, oxidation-reduction potential, ox bile as factors

Respiration
Atkinson, H. J., 1976, Organ. Nematodes (Croll), 243-272
respiratory physiology of nematodes, review: diffusion of oxygen into nematodes; factors influencing oxygen demand; oxygen availability; respiration in low oxygen regimes; respiratory function of haemoglobin in nematodes

Respiration
Barrett, J., 1976, Organ. Nematodes (Croll), 11-70
energy metabolism in nematodes, extensive review

Respiration
Boemare, N.; and Maurand, J., 1976, Bull. Soc. Zool. France, v. 101 (3), 377-385
Thelohania fibrata, Pleistophora debaisieuxi, respiratory metabolism of healthy and infected Tetisimulium bezzii larvae compared

Respiration
de Boiso, J. F.; and Stoppani, A. O. M., 1973, J. Protozool., v. 20 (5), 673-678
Trypanosoma cruzi, oxidation of pyruvate and acetate through tricarboxylic acid cycle, involves antimycin A-sensitive respiratory chain

Respiration
Boniecka, B.; and Guttowa, A., 1975, Bull. Acad. Polon. Sc., Cl. II, s. Biol. Sc., v. 23 (7), 463-467
Fasciola hepatica, miracidia, uptake of oxygen in presence of field crop pesticides, Leybacid and Vapam, intensified respiration followed by death

Respiration
Bristol, J. R.; and Canaris, A. G., 1977, J. Parasitol., v. 63 (5), 940-941
Brachylaime microti, in vitro oxygen consumption, effects of age, exogenous glucose, and cyanide

Respiration
Bryant, C., 1975, Advances Parasitol., v. 13, 35-69
carbon dioxide utilisation and regulation of respiratory metabolic pathways in parasitic helminths, extensive review

Respiration
Cerkasov, J.; et al., 1974, J. Protozool., v. 21 (3), 454-455 [Abstract]
T[ritrichomonas] foetus, ATP forming systems in hydrogenosomes

Respiration
Cerkasovova, A.; et al., 1973, J. Protozool., v. 20 (4), 535
Tritrichomonas foetus, large granule fraction, biochemical characterization, importance in energy-producing metabolism

Respiration
Cerkasovova, A.; et al., 1977, J. Protozool., v. 24 (4), 49A-50A [Abstract]
nature of phosphorylation in hydrogenosomes

Respiration
Chand, B.; Ramachandran, M.; and Hussain, O. Z., 1977, Indian J. Exper. Biol., v. 15 (8), 667-668
Litomosoides carinii-infected albino rats, respiratory activity of liver, spleen, kidney, and lung tissues, results indicate severe damage to liver and spleen

Respiration
Cotton, D. J.; et al., 1977, J. Applied Physiol.: Respiratory, Environmental and Exercise Physiol., v. 42 (1), 101-106
Ascaris suum antigen inhalation by dogs, rapid shallow breathing, results indicate that vagal afferent pathways mediate antigen-induced tachypnea and this response does not primarily depend on bronchoconstriction

Respiration
Cross, G. A. M.; and Klein, R. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 266-267 [Abstract]
Trypanosoma brucei, utilization of amino acids and glucose during growth in culture, effects on respiration

Respiration
Czerpak, R., 1970, Acta Parasitol. Polon., v. 17 (20-38), 285-292
Trichinella spiralis larvae, mice given goldthioglucose and vitamin A, oxygen uptake by diaphragm muscles, influence of host sex and age

Respiration
Decker, J. E.; and Schrot, J. R., 1976, J. Protozool., v. 23 (2), 18A-19A [Abstract]
Leishmania donovani, L. braziliensis, L. tropica, rapid identification by radiorespirometry

Respiration
Decker, J. E.; Schrot, J. R.; and Levin, G. V., 1977, J. Protozool., v. 24 (3), 463-470
Leishmania spp., radiorespirometric technique has potential for rapid identification of species and strains

Respiration
Docampo, R.; et al., 1977, Exper. Parasitol., v. 42 (1), 142-149
Trypanosoma cruzi epimastigotes, ultrastructural and metabolic alterations caused by β-lapachone

Respiration
Docampo, R.; de Boiso, J. F.; and Stoppani, A. O. M., 1974, Medicina, Buenos Aires, v. 34 (5), 525-531
action of ethidium bromide on Trypanosoma cruzi metabolism (damage to kinetoplast DNA; reduced respiration; changes in glycolysis)

Respiration
Dohnalova, M.; and Kulda, J., 1977, J. Protozool., v. 24 (4), 50A [Abstract]
Tritrichomonas foetus, meagre respiration with erythritol as substrate, no stimulatory effect of erythritol on growth in vitro, results indicated that confinement of T. foetus to lumen of bovine uterus is not related to presence of erythritol at this site (in contrast to Brucella abortus)

Respiration
Evans, D. A.; and Brown, R. C., 1973, J. Protozool., v. 20 (1), 157-160
Trypanosoma brucei bloodstream and culture forms, inhibition of cyanide-insensitive respiration by m-chlorobenzhydroxamic acid, cyanide-sensitive respiration of culture forms not affected, possible importance as trypanocidal drug, implications for mechanism of terminal respiration

Respiration
Evans, D. A.; and Brown, R. C., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 258 [Abstract]
Trypanosoma brucei, inhibition of cyanide-insensitive respiration of both bloodstream and culture forms by m-chlorobenzhydroxamic acid

Respiration
Faucheux, M.-J., 1975, Bull. Soc. Sc. Nat. Ouest France, v. 73 (2-3), 69-76
Pediculus humanus capitis, Pthirus pubis, feet, respiratory system, functional morphology, scanning electron microscopy

Respiration
Fischerova, H.; and Kubistova, J., 1968, Physiol. Bohemoslov., v. 17 (4), 375-382
absence of phosphagen in Ascaris lumbricoides muscles and Fasciola hepatica tissues supports theory that phosphagen acts only as reserve of readily mobilized high energy phosphate bond in muscle cell

Respiration
Fromentin, H., 1972, Protistologica, v. 8 (3), 365-368
Trypanosoma gambiense, T. evansi, normal vs. dyskinetoplastic strains, oxygen consumption compared

Respiration
Gesinski, R. M.; and Napoletano, T. S., 1976, Science Biol. J., v. 2 (3), 84-88
Plasmodium berghei-infected mice, increased oxygen consumption by bone marrow cells, decreased oxygen consumption in presence of antibodies

Respiration
Goldberg, B.; et al., 1974, J. Protozool., v. 21 (2), 322-326
Leptomonas sp., inhibition by several standard antiprotozoal drugs of growth and oxygen uptake of cells and particulate preparations, possible use as model organism for screening antitrypanosomatid agents as compared to Crithidia fasciculata

Respiration
Guttowa, A., 1976, Bull. Acad. Polon. Sc., Cl. II., s. Sc. Biol., v. 24 (12), 759-764
Fasciola hepatica and Triaenophorus nodulosus embryos, effect of methoxychlor on survival and respiratory metabolism

Respiration
Harpur, R. P.; and Jackson, D. M., 1975, J. Parasitol., v. 61 (5), 808-814
Ascaris suum, pieces of gut tissue in vitro, oxygen consumption, production of fermentation acids, anaerobic synthesis of protein

Respiration
Harpur, R. P.; and Jackson, D. M., 1976, Comp. Biochem. and Physiol., v. 54 (4B), 455-460
Ascaris suum, isolated intestine, glucose diminished oxygen uptake (Crabtree effect), glucose caused increases in tissue carbohydrate, CO_2 evolution, and acid production, no Pasteur effect demonstrated, glutamine increased oxygen uptake in presence and absence of glucose but did not abolish Crabtree effect

Respiration
Haston, W., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 275 [Demonstration]
Trypanosoma brucei brucei, metabolic changes accompanying transformation from bloodstream forms to vector forms, studies using microrespirometric technique to measure oxygen consumption

Respiration
Hill, G. C.; and Degn, H., 1977, J. Protozool., v. 24 (4), 563-565
Trypanosoma mega, steady-state kinetics of terminal oxidases

Respiration
Kannupandi, T., 1976, Science and Culture, v. 42 (10), 523-524
Pennella elegans, cuticular respiration

Respiration
Kulda, J.; Kralova, J.; and Vavra, J., 1974, J. Protozool., v. 21 (3), 456-457 [Abstract]
Tritrichomonas foetus, ultrastructural 3,3'-diaminobenzidine-positive component of hydrogenosomes, considered to be site of oxidative (possibly peroxidative) reaction without catalase involvement

Respiration
Leon, W.; Brun, R.; and Krassner, S. M., 1977, J. Protozool., v. 24 (3), 444-448
Leishmania tarentolae, effect of Berenil on growth, on buoyant density of kinetoplast DNA, on dyskinetoplasty at ultrastructural level, and on cell respiration, results suggest that Berenil adversely affects mitochondrial respiratory activity

Respiration
Lindmark, D. G.; and Mueller, M.; 1975, J. Protozool., v. 22 (3), 13A [Abstract]
Tritrichomonas foetus, acetate formation from pyruvate by hydrogenosomes

Respiration
MacKinnon, B., 1977, Parasitology, v. 75 (2), ii [Abstract]
Quinqueserialis quinqueserialis, development of 'ventral glands', these structures probably function in adhesion and the large number of mitochondria suggest that they may also function in respiration

Respiration
Manaia, A. da C.; and Roitman, I., 1977, J. Protozool., v. 24 (1), 192-195
Crithidia fasciculata grown in presence of ethidium bromide, dyskinetoplasty and growth inhibition, changes in oxidative metabolism and enzyme profiles

Respiration
Maurand, J., 1975, Ann. Parasitol., v. 50 (4), 371-396
Microsporidia of simuliids, review including some unpublished work: taxonomy; cytochemistry; ultrastructure; pathology (influence on larval development, size, and respiration; cytopathology); ecology

Respiration
Medina, H.; et al., 1955, Arq. Biol. e Tecn., v. 10, 121-165
Astaril, tartar emetic and Repodral, effect on respiration and anaerobic glycolysis of Leishmania brasiliensis and isolated mouse diaphragm

Respiration
Mitterer, K.-E., 1975, Ztschr. Parasitenk., v. 47 (1), 35-43
Fasciola hepatica, egg hatching, CO_2 concentration, pH, light and darkness, temperature

Respiration
Opperdoes, F. R.; et al., 1976, Exper. Parasitol., v. 40 (2), 198-205
Trypanosoma brucei brucei, salicylhydroxamic acid (SHAM), inhibition of trypanosomal respiration in vitro, determination of toxicity for rats, determination of plasma levels in rats, no significant therapeutic effect in vivo, discussion of possibility that SHAM could still be trypanocidal if used in conjunction with another inhibitor of glycolysis

Respiration
Opperdoes, F. R.; Borst, P.; and de Rijke, D., 1976, Comp. Biochem. and Physiol., v. 55 (1B), 25-30
Trypanosoma brucei brucei, T. evansi, oligomycin sensitivity of mitochondrial ATPase as a simple biochemical marker for presence of functional kinetoplast DNA and mitochondrial protein-synthesizing system and, hence, the ability to develop functional mitochondria and to multiply in insects

Respiration
Opperdoes, F. R.; de Rijke, D.; and Borst, P., 1976, Comp. Biochem. and Physiol., v. 54 (1B), 7-12
Crithidia luciliae, characterization of mitochondrial adenine nucleotide translocator and ATPase, significant differences between ATPase of trypanosomes and their hosts that could potentially be exploited in chemotherapy

Respiration
Popiel, I.; and James, B. L., 1976, Ztschr. Parasitenk., v. 51 (1), 71-77
Cercaria linearis, C. stunkardi, effect of glycogen and glucose on oxygen consumption of daughter sporocysts

Respiration
Rachford, F. W., 1976, Exper. Parasitol., v. 39 (3), 393-400
Angiostrongylus cantonensis-infected Lymnaea palustris vs. non-infected controls, oxygen uptake at 25, 30, and 35 C over 34-day periods

Respiration
Rahman, M. S.; and Bryant, C., 1977, Internat. J. Parasitol., v. 7 (5), 403-409
Moniezia expansa, effects of mebendazole and cambendazole on respiratory metabolism

Respiration
Rogerson, G. W.; and Gutteridge, W. E., 1977, Parasitology, v. 75 (2), xxvii [Abstract]
Trypanosoma cruzi, action of respiratory inhibitors on culture epimastigote, blood trypomastigote, and intracellular amastigote forms

Respiration
Saliba, E. K.; Sweatman, G. K.; and Kawar, N. S., 1971, J. Med. Entom., v. 8 (1), 73-83
Ornithodoros savignyi, respiration rate and longevity of untreated ticks at different temperatures, effect of ronnel on respiration rate at different temperatures using 3 application methods, statistical analysis, ronnel not practically useful as systemic pesticide against O. savignyi

Respiration
Siddiqi, A. H.; and Nizami, W. A., 1975, Ztschr. Parasitenk., v. 47 (4), 263-268
Isoparorchis hypselobagri, swimbladder oxygen content of host, Wallago attu, not influenced by presence or absence of fluke; in vitro oxygen consumption of fluke increased by glucose, decreased by time, optimal temperature 30°C

Respiration
Simon, M. W.; Rusnak, J. M.; and Mukkada, A. J., 1976, Exper. Parasitol., v. 39 (1), 51-58
Leishmania tropica promastigotes in vitro, sensitivity to toxic effects of bilirubin (loss of viability, decreased sugar and amino acid uptake, increased efflux of intracellular sugars, hexokinase activity, lowered respiration), results suggest irreversible damage to cell membrane, possible culture loss if bilirubin concentration of hemoglobin solution used is too high

Respiration
Srivastava, H. K.; and Bowman, I. B. R., 1972, Nature, London, N. Biol. (57), v. 235, 152-153
Trypanosoma rhodesiense, sequence of metabolic changes associated with acquisition of mitochondrial-mediated metabolism during transformation into culture forms, significantly higher rate of oxidation with proline vs. other substrates tested

Respiration
Steiger, R. F.; et al., 1977, J. Parasitol., v. 63 (5), 861-867
Trypanosoma congolense, partial cyclic development in Glossina cell system, oxygen consumption

Respiration
Sylvester, D.; and Krassner, S. M., 1976, Comp. Biochem. and Physiol., v. 55 (3B), 443-447
Trypanosoma cruzi epimastigotes, occurrence of proline oxidation, effect of proline and other amino acids on respiration, dissimilation of metabolic intermediates, results suggest presence of proline-glutamate interconversion pathway

Respiration
Ucros, H.; Leon, W.; and Krassner, S. M., 1977, Exper. Parasitol., v. 41 (2), 410-414
Trypanosoma cruzi, Y and Costa Rica strains compared, effect of ethidium bromide on growth, dyskinetoplasty, and respiration

Respiration
Vickerman, K.; and Evans, D. A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 145 [Abstract]
Trypanosoma vivax trypomastigote stages, ultrastructure, respiratory physiology, possible relationship of lack of surface coat to antigenic variation

Respiration
Wagner, K. P.; and Krassner, S. M., 1976, Exper. Parasitol., v. 39 (2), 186-194
Leishmania tarentolae, promastigotes, substances in Trager's Defined Medium capable of acting as proline precursors, proline synthesis unaffected by presence of preformed proline indicating absence of end product feedback inhibition

Respiration
Wang, C. C., 1976, Biochem. Pharmacol., v. 25 (3), 343-349
Eimeria tenella, relationship of respiration to sporulation and excystation, inhibition of respiration during sporulation and excystation by quinolone coccidiostats, amquinate-resistant strain much less subject to inhibition by quinolones, 2-hydroxynaphthoquinone coccidiostats are equally effective inhibitors against wild type and amquinate-resistant mutant

Respiration
Weinbach, E. C.; et al., 1976, J. Parasitol., v. 62 (1), 127-128
Entamoeba histolytica, evidence that iron-sulfur proteins are functional in aerobic metabolism

Respiration
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Rhythms. See Periodicity.

Ribonucleic acid. See Nucleic acids.

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Roentgenography. *See* Diagnosis; Radiation.

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Sanitation and Hygiene. [See also Disease transmission; Public health]

Sanitation and Hygiene
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Sanitation and Hygiene
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Sanitation and Hygiene
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Sanitation and Hygiene
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Sanitation and Hygiene
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Sanitation and Hygiene
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Sanitation and Hygiene
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Sanitation and Hygiene
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Sanitation and Hygiene
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Sanitation and Hygiene
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Sanitation and Hygiene
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Sanitation and Hygiene
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Sanitation and Hygiene
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Sanitation and Hygiene
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Sanitation and Hygiene
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Sanitation and Hygiene
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Sanitation and Hygiene
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T[richuris] trichiura, A[scaris] lumbricoides, H[ymenolepis] nana, survey of prevalence of geohelminthiasis in school children, helminthiasis related to socioeconomic and hygienic conditions, not to scholastic achievement, prevalence higher in plain country than in mountain country: Province of Alesandria (Italy)

Sanitation and Hygiene
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Sanitation and Hygiene
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Sanitation and Hygiene
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incidence of intestinal parasitism, progressive reduction in areas with improved hygienic conditions, the opposite was true where environmental conditions had remained constant: Lenola county (chief town and Vallebernarda hamlet)

Sanitation and Hygiene
Ricciardi, M. L., 1972, Parassitologia, v. 14 (2-3), 347-351
survey of human intestinal parasites, comparison between Bantu and immigrated Europeans living on same farm, differences due to environmental, hygienic and dietary conditions: district of Lobaye

Sanitation and Hygiene
Schenone, H.; et al., 1973, Bol. Chileno Parasitol., v. 28 (1-2), 31-33
Pediculus humanus capitis, statistics of human infestation, lindane treatment unsuccessful, personal hygiene more important: Chile

Sanitation and Hygiene
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comparative survey for prevalence of Toxoplasma gondii antibodies in veterinary personnel and selected population with no exposure to cats; hygiene, type of association, duration of exposure and infectivity of cats as considerations for disease transmission

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statistical epidemiologic survey of endemic human amoebiasis area, household crowding, poor sanitation and resulting fecal contamination implicated as cause of transmission

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parasites of horses, control, strategic timing of treatment, sanitation, review

Sarawak. [See also Malaysia]

Sarawak
Watts, M. B., 1969, Med. J. Malaya, v. 24 (2), 89-93
first 5 case reports of eosinophilic meningitis in Sarawak, Angiostrongylus cantonensis probable etiologic agent

Sardinia. See Italy, Sardinia.

Saskatchewan. See Canada, Saskatchewan.

Saudi Arabia
Arfaa, F., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 295-298
Schistosoma mansoni, S. haematobium, human, distribution, infection rates, potential snail vectors: Saudi Arabia

Saudi Arabia
Morsy, T. A.; and Shoura, M. I., 1976, J. Trop. Med. and Hyg., v. 79 (6), 137-139
review of human cutaneous leishmaniasis in endemic area of Saudi Arabia, Phlebotomus papatasi probable vector, epidemiologic survey needed

Saudi Arabia
Sebai, Z. A.; and Morsy, T. A., 1976, J. Trop. Med. and Hyg., v. 79 (4), 89-91
statistics of prevalence survey of human cutaneous leishmaniasis in Bisha region, Saudi Arabia

Scotland. See Great Britain, Scotland.

Seas. [See also Oceans]

Seas, Caspian Sea
Lomakin, V. V., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 90-95
nematodes of fishes, zoogeographic analysis, review: Caspian Sea

Seas, White Sea
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trematodes, Charadriiformes: White Sea

Seas, White Sea
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Seasonal distribution. [See also Overwintering]

Seasonal distribution
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Przhevalskiana silenus in goats, incidence survey, seasonal distribution: slaughter house in Baghdad, Iraq

Seasonal distribution
Alavi, K. A.; and Ansari, J. A., 1973, Indian J. Zool., v. 1 (1), 13-16
Heterakis gallinarum, fowl (intestinal contents, caeca), incidence and seasonal variation: Aligarh and its suburbs

Seasonal distribution
Al-Sammarrae, S. A.; and Sewell, M. M. H., 1977, Research Vet. Sc., v. 23 (3), 336-339
Dictyocaulus filaria, Blackface sheep, infection levels, seasonal distribution on lowland farm: south east Scotland

Seasonal distribution
Amin, O. M.; and Madbouly, M. H., 1973, J. Med. Entom., v. 10 (3), 295-298
Rhipicephalus sanguineus, Hippobosca longipennis, Heterodoxus spiniger on Canis familiaris, geographic distribution, seasonal variance, climate, sex ratio of parasites: Egypt

Seasonal distribution
Anderson, G., 1977, Marine Biol., v. 42 (3), 239-251
Probopyrus pandalicola, energy flow in parasitized and unparasitized laboratory Palaemonetes pugio population, secondary reproduction, metabolism, ingestion and egestion; temperature, season, host age, sex, and reproductive condition,effect on energetics of host-parasite systems

Seasonal distribution
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Caryophyllaeus laticeps, seasonal periodicity in population dynamics, theoretical derivation of mathematical model, comparison of model predictions with observed population data, seasonality shown to be caused by combined effects of temperature-dependent parasite mortality rate and fluctuations in host feeding activity (which controls immigration rate of larval parasites)

Seasonal distribution
Andrews, C.; and Rojanapaibul, A., 1976, Parasitology, v. 73 (2), xi-xii [Abstract]
Acanthocephalus clavula, seasonal changes in incidence, intensity, and maturation effect of fish species, temperature thought to be a factor: Llyn Tegid, North Wales

Seasonal distribution
Ansari, J. A., 1977, Indian J. Animal Sc., v. 47 (3), 115-119
Setaria cervi, Bubalus bubalis, incidence and seasonal variation of adult worms and microfilariae, periodic concentration of microfilariae: Aligarh district, Uttar Pradesh

Seasonal distribution
Aoki, Y., 1971, Nettai Igaku (Trop. Med.), v. 13 (1), 7-15
Dirofilaria immitis, dogs (exper.), seasonal distribution of microfilariae in peripheral circulation and effect of temperature on migration from lung capillaries to peripheral circulation

Seasonal distribution
Arora, G. S.; et al., 1977, Indian J. Animal Sc., v. 45 (12), 1975, 953-957
Thelazia skrjabini, T. rhodesii, and T. gulosa, buffaloes (eyeballs), incidence and intensity of infection, seasonal fluctuations: [India]

Seasonal distribution
Artemenko, L. P.; and Ponomarenko, V. Ia., 1975, Veterinariia, Kiev (41), 68-71
A[naplasma] marginale, seasonal distribution of acute disease in cattle (May to June) coincides with high incidence of mosquitoes biting cattle, possible vectors: Western Polesia, Ukraine

Seasonal distribution
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tick-host-disease relationships, review

Seasonal distribution
Arystanov, E., 1970, Parazitologiia, Leningrad, v. 4 (3), 210-218
infection of molluscs with trematodes in relation to population density, habitat, season, age: Amu Darya delta

Seasonal distribution
Ash, L. R., 1976, Rev. Biol. Trop., v. 24 (1), 163-174
Angiostrongylus cantonensis in mollusks and planarians occurring in market gardens supplying fresh produce; marked seasonal occurrence of planarians during cool months corresponds to peak vegetable growing season, important source of human infection: near Noumea, New Caledonia

Seasonal distribution
Avetisian, G. A.; and Ezekelian, V. Kh., 1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63
fleas, seasonal and geographic distribution in Armenia

Seasonal distribution
Ayala, S. C.; and Spain, J. L., 1976, J. Parasitol., v. 62 (2), 177-189
Plasmodium colombiense sp. n. in Anolis auratus, host blood pictures, parasitemia, parasite structure and structural variance, infection states, host population structure, epidemiology: western Colombia (Cauca River valley basin)

Seasonal distribution
Azimov, D. A.; et al., 1976, Dokl. Akad. Nauk UzSSR (8), 53-54
Stephanofilaria stilesi, bovine, ecology, seasonal distribution, intermediate hosts and their daily activity in relation to temperature: southern Uzbekistan

Seasonal distribution
Babalola, D. A.; and Schillhorn van Veen, T. W., 1976, Trop. Animal Health and Prod., v. 8 (4), 243-247
Fasciola gigantica, cattle, monthly incidence highest at the beginning and end of the rainy season, economic losses: Bauchi abattoir, obtained from markets in North-eastern Nigeria

Seasonal distribution
Badie, A., 1975, Ann. Recherches Vet., v. 6 (3), 259-264
Dicrocoelium lanceolatum metacercaria, annual activity cycle of parasitized ants, numbers hooked to vegetation at certain parts of the day, possible relationships to temperature and rainfall, risk of parasitism in sheep flocks, possible basis for control

Seasonal distribution
Bakke, T. A., 1972, Norwegian J. Zool., v. 20 (3), 165-188
Digenea of Larus canus, incidence and intensity, age of host, seasonal variation, distribution in alimentary canal; relationship to host habitat, food, and breeding behavior: Norway

Seasonal distribution
Bakke, T. A., 1972, Norwegian J. Zool., v. 20 (3), 189-204
Digenea of Larus canus, incidence and intensity, seasonality, relationship to host age, sex, weight, and food habits, diagrammatic model of infection pattern: Norway

Seasonal distribution
Bakke, T. A., 1972, Norwegian J. Zool., v. 20 (4), 273-277
Reighardia sternae in Larus canus (trachea and air sacs), age and sex of host, seasonal variance: Agdenes, Norway

Seasonal distribution
Bakke, T. A.; and Barus, V., 1976, Norwegian J. Zool., v. 24 (1), 7-31
nematodes of Larus canus, age and sex of host, seasonal variations, distribution in alimentary canal: Agdenes, Norway

Seasonal distribution
Bejsovec, J., 1973, J. Protozool., v. 20 (4), 535
Eimeria phasiani, E. colchici, seasonal incidence in Phasianus colchicus: Central Bohemia

Seasonal distribution
Bejsovec, J., 1974, J. Protozool., v. 21 (3), 454 [Abstract]
Eimeria colchici, E. phasiani, incidence of oocysts in various biotopes of an agricultural landscape over a 6-year period: Central Bohemia

Seasonal distribution
Bejsovec, J., 1977, J. Protozool., v. 24 (2), Suppl., 13A [Abstract]
Eimeria tetricis, seasonal fluctuation in occurrence in Lyrurus tetrix: West Bohemia

Seasonal distribution
Bello, T. R.; Gaunt, S. D.; and Torbert, B. J., 1977, J. Equine Med. and Surg., v. 1 (4), 126-130
Gasterophilus intestinalis, G. nasalis, horses, artificial hatching of bot eggs with warm water as environmental prophylaxis, critical evaluation, seasonal patterns of oviposition; trichlorfon + piperazine + phenothiazine, good results

Seasonal distribution
Bennett, G. F.; et al., 1974, J. Wildlife Dis., v. 10 (4), 442-451
survey, prevalence of hematozoa in anatids, infection rate increases with host age, seasonal distribution

Seasonal distribution
Bennett, G. F.; Okia, N. O.; and Cameron, M. F., 1974, J. Wildlife Dis., v. 10 (4), 458-465
survey, avian hematozoa, seasonal prevalence: Uganda

Seasonal distribution
Berdyev, A., 1973, Zool. Zhurnal, v. 52 (2), 191-196
Hyalomma anatolicum excavatum on domestic animals, ecology, seasonal distribution, life cycle: Turkmenia

Seasonal distribution
Bergstrom, R. C., 1975, J. Wildlife Dis., v. 11 (1), 40-44
Dictyocaulus viviparus in Cervus canadensis, seasonal distribution, fecal analyses useful in prevalence survey: Teton County, Wyoming

Seasonal distribution
Beveridge, I.; and Barker, I. K., 1976, Austral. J. Zool., v. 24 (2), 265-272
helminths and arthropods, Antechinus stuartii, seasonal and sex-related variations in numbers of helminths, parasites unlikely directly involved in seasonal mortality of male host; ectoparasites may contribute to anemia in hosts: Powelltown, Victoria

Seasonal distribution
Bhat, H. R., 1977, Indian J. Animal Sc., v. 44 (10), 1974, 750-755
Haemaphysalis spinigera, cattle, seasonal distribution, infestation sites: Kyasanur forest disease area, Shimoga district, Karnataka

Seasonal distribution
Bhatia, B. B.; and Rai, D. N., 1976, Indian J. Animal Health, v. 15 (2), 109-111
Schistosoma incognitum in pigs (feces) and Lymnaea luteola, prevalence, seasonal variation; although widely distributed S. incognitum is of little zoonotic importance: Uttar Pradesh

Seasonal distribution
Blankespoor, H. D., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 44-50
Plagiorchis noblei, life cycle studies: egg (infectivity); cercaria (diel periodicity of emergence; seasonal periodicity; temperature effect on longevity and infectivity); metacercaria (infectivity); adults (location in definitive host; longevity; seasonal periodicity)

Seasonal distribution
Boag, B.; and Thomas, R. J., 1975, Research Vet. Sc., v. 19 (3), 263-268
Nematodirus battus vs. N. filicollis, sheep, epidemiological studies over a 3 year period under field conditions starting from clean pasture, annual increase in infection levels, persistence of infection despite pasture rest, consistent difference in larval pattern between the two species, possibility of control by plowing and reseeding or by alternate grazing with cattle

Seasonal distribution
Boag, B.; and Thomas, R. J., 1975, Research Vet. Sc., v. 19 (3), 293-295
sheep nematodes, population dynamics, field studies, level of larval mortality may vary from year to year with prevailing climatic conditions, 'spring rise' in ewes is major source of pasture contamination causing wave of lamb infections in late August and September

Seasonal distribution
Boag, B.; and Thomas, R. J., 1977, Research Vet. Sc., v. 22 (1), 62-67
gastro-intestinal nematodes, sheep, epidemiology, post mortem worm counts, faecal egg counts and pasture larval counts, seasonal number of generations and succession of species

Seasonal distribution
Boonstra, R., 1977, Canad. J. Zool., v. 55 (6), 1057-1060
Wohlfahrtia vigil, seasonal incidence and effect on Microtus townsendii populations, parasitism seemed to be facilitated by presence of Cuterebra spp.: Westham Island, British Columbia

Seasonal distribution
Bozdech, V., 1973, Paediat. u. Grenzgeb., v. 12 (5), 327-335
epidemiologic survey of parasitic infections in children with comparisons of statistics from Kaduna, Nigeria and Accra, Ghana

Seasonal distribution
Bray, R. S.; and Harris, W. G., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 401-407
Entamoeba histolytica, extensive epidemiologic survey of selected native villages revealed a comparatively high incidence of human infection: The Gambia, West Africa

Seasonal distribution
Breed, G. M.; and Olson, R. E., 1977, J. Invert. Path., v. 30 (3), 387-405
Pleistophora crangoni n. sp. in Crangon spp., prevalence and intensity in relation to season and host size, parasitic castration of females, shift in host sex ratio toward females, unsuccessful laboratory transmission experiments, spread of infection through shrimp, infected shrimp succumbed to low oxygen stress before uninfected shrimp, histopathology

Seasonal distribution
Buckner, R. L.; and Gleason, L. N., 1974, Tr. Kentucky Acad. Sc., v. 35 (3-4), 70-75
arthropod ectoparasites, Microtus ochrogaster, Peromyscus leucopus: Warren County, Kentucky

Seasonal distribution
Bwathondi, P. O. J., 1976, Parasitology, v. 73 (2), x-xi [Abstract]
Crepidostomum metoecus in Salmo trutta, incidence, annual seasonality, increase in infection in younger fish, spawning fish showed higher infection in females than males suggesting role of reproductive hormones in host resistance: Loch of Strathbeg, N.E. Scotland

Seasonal distribution
Campbell, A. D., 1974, Proc. Roy. Soc. Edinb., sect. B, Biol., v. 74, 347-364
survey of parasites of fishes in Loch Leven, parasite intensity, seasonal distribution: Scotland

Seasonal distribution
Cattan, P. E.; George-Nascimento, M.; and Rodriguez, J., 1976, Bol. Chileno Parasitol., v. 31 (1-2), 16-20
prevalence survey of helminths of Octodon degus, seasonal variations, age and sex of hosts: Chile

Seasonal distribution
Cawthorn, R. J.; and Anderson, R. C., 1976, Canad. J. Zool., v. 54 (4), 522-525
Physaloptera maxillaris in Mephitis mephitis, seasonal distribution of adults and third- and fourth-stage larvae, analysis of data relates various stages found to feeding behavior of skunk throughout year, third-stage larvae determined to be overwintering stage: Guelph, Ontario

Seasonal distribution
de Chaneet, G., 1976, Austral. Vet. J., v. 52 (9), 433 [Letter]
Rhipicephalus sanguineus, dogs, recent establishment, seasonal prevalence: southern areas of Western Australia

Seasonal distribution
Chauhan, P. P. S.; and Pande, B. P., 1972, Indian J. Animal Sc., v. 42 (12), 1033-1038
Paracooperia nodulosa, buffalo calves, seasonal incidence of numbers and types of nodules, numbers of free worms, and numbers of juvenile worms correlated, development and description of pre-parasitic stages

Seasonal distribution
Cheke, R. A.; Hassall, M.; and Peirce, M. A., 1976, J. Wildlife Dis., v. 12 (2), 133-138
blood parasites, British birds: England

Seasonal distribution
Chhabra, M. B.; and Ruprah, N. S., 1976, Indian Vet. J., v. 53 (3), 180-184
Oestrus ovis larvae, sheep, goats, survey, highest incidence in sheep, pupal period and longevity of adult O. ovis dependent upon temperature and humidity: abattoir at Hissar, Haryana

Seasonal distribution
Chiejina, S. N.; and Mason, J. A., 1977, Vet. Rec., v. 100 (17), 360-361
Trichonema longibursatum, T. catinatum, horses, maturation of inhibited 3rd stage larvae in intestinal mucosa causing diarrhoea in spring: [Britain]

Seasonal distribution
Chubb, J. C., 1976, Parasitology, v. 73 (2), x [Abstract]
monogeneans of freshwater fishes, seasonal studies in relation to world climatic zones

Seasonal distribution
Ciordia, H.; et al., 1977, Am. J. Vet. Research, v. 38 (9), 1335-1339
gastrointestinal parasitism of cattle on fescue pastures fertilized with broiler litter vs. NH_4NO_3, prevalence, yearly and seasonal variation; parasite burden lower in calves raised on broiler litter-fertilized pastures (where available forage was greater), no significant differences in adult cows nor in calf weight gains

Seasonal distribution
Clifford, C. M.; Flux, J. E. C.; and Hoogstraal, H., 1976, J. Med. Entom., v. 13 (1), 40-47
Ixodidae on Lepus, seasonal and regional abundance, age and sex of host: Kenya; Uganda

Seasonal distribution
Clifford, C. M.; Walker, J. B.; and Keirans, J. E., 1976, Onderstepoort J. Vet. Research, v. 43 (3), 105-111
Ixodes bakeri, male, nymph and larva described, ecology, seasonal activity: Republic of South Africa

Seasonal distribution
Cloutman, D. G.; and Becker, D. A., 1977, J. Parasitol., v. 63 (2), 372-376
Ergasilus centrarchidarum on Micropterus salmoides and M. punctulatus, some ecological aspects: host specificity; abundance related to host age and sex; seasonal abundance and egg production, optimum temperatures; no evidence of antagonism with other concomitant species of gill parasites: Lake Fort Smith, Crawford County, Arkansas

Seasonal distribution
Coadwell, W. J.; and Ward, P. F. V., 1977, Parasitology, v. 74 (2), 121-132
Haemonchus contortus, sheep (exper.), suggested that cyclic change in parasite growth pattern and arrested development is controlled by seasonal variation in concentration of substance(s) in host blood, sex of host and duration of infection had no effect on parasite length, age of host did relate to parasite length but relationship may have been an artifact

Seasonal distribution
Coggins, J. R.; and McDaniel, J. S., 1975, Proc. Oklahoma Acad. Sc., v. 55, 112-118
helminths of cotton rat, seasonal variation, host size, higher incidence in males, no significant difference in number or kind of parasite in pregnant females

Seasonal distribution
Coppedge, J. R.; and Snow, J. W., 1977, Southwest. Entom., v. 2 (2), 57-61
Cochliomyia hominivorax, seasonal occurrence and responses to liver and "swormlure" as attractants, similar responses to both: subtropical Texas

Seasonal distribution
Corkum, K. C.; and Beckerdite, F. W., 1975, Am. Midland Naturalist, v. 93 (2), 484-491
Alloglossidium macrobdellensis, life history, description of developmental stages, migration in leech, seasonal incidence and prevalence of infection apparently direct reflection of annual breeding cycle of leech: Louisiana

Seasonal distribution
Cornwell, R. L., 1975, Research Vet. Sc., v. 18 (1), 1-5
yearly pattern of infection with gastrointestinal nematodes in young fattening lambs at pasture, degree of infection and incidence of different genera: United Kingdom

Seasonal distribution
Cottrell, B., 1976, Parasitology, v. 73 (2), xxxiv [Abstract]
Cryptocotyle lingua and Rhipidocotyle johnstonei induced temperature-dependent precipitin response in Pleuronectes platessa; Trypanosoma platessae-infected P. platessa had elevated serum beta-globulin levels, pronounced seasonal variation in numbers of infected fish pointed to temperature-controlled immunity

Seasonal distribution
Cottrell, B. J., 1977, J. Fish Biol., v. 11 (1), 35-47
Trypanosoma platessae in Pleuronectes platessa (blood) (nat. and exper.), brief redescription, age of host, seasonal variation may be related to change in ambient temperatures and host immunity levels, host specificity: Looe Bay

Seasonal distribution
Daborn, G. R., 1976, Canad. J. Zool., v. 54 (7), 1161-1164
Nosema n. sp. in Branchinecta gigas and B. mackini, brief epizootics (May-June, 1970, 1971, 1972), host mortality, no effect on host egg production; possibly caused by or resulting in brief (1970, 1971) infection of Daphnia similis: Fleeinghorse Lake, Alberta

Seasonal distribution
Dafalla, A. A.; Satti, M. H.; and Abdel Nur, O. M., 1977, J. Trop. Med. and Hyg., v. 80 (3), 63-64
cutaneous larva migrans, preliminary epidemiologic survey shows high prevalence in children especially during rainy seasons, etiology unknown but high incidence of Strongyloides spp. in soil samples, suggested control measures: Northern Kordofan, Sudan

Seasonal distribution
Davidson, W. R., 1976, Proc. Helminth. Soc. Washington, v. 43 (2), 211-217
epizootiologic and pathologic study of endoparasites of selected populations of gray squirrels in southeastern United States

Seasonal distribution
Davidson, W. R.; and Calpin, J. P., 1976, J. Wildlife Dis., v. 12 (1), 72-76
Hepatozoon griseisciuri, location and pathogenicity of schizogonic stages, age and sex of host (gray squirrel), seasonal distribution, pathology: southeastern United States

Seasonal distribution
Davies, R. W.; and Everett, R. P., 1977, Canad. J. Zool., v. 55 (3), 620-627
Nephelopsis obscura, life history, growth and age structure related to seasonal changes, seasonal population movements from deep-water zone to shore zone; no direct correlation between cocoon production and water temperature: Newsome Pond and Jail Pond, Alberta, Canada

Seasonal distribution
De Jonckheere, J.; and Van de Voorde, H., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 10-15
Naegleria fowleri, evidence of proliferation of pathogenic strains in thermally polluted, biologically healthy water; isolates from discharges of thermal polluting factories highly virulent in mice (exper.), more amoeba present in summer than in winter: Belgium

Seasonal distribution
Dickinson, A.B.; and Threlfall, W., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 111-116
helminths of Fundulus heteroclitus, seasonal variations, preferred site of attachment, host size and sex: Newfoundland

Seasonal distribution
Dipeolu, O. O., 1975, Nigerian J. Animal Prod., v. 2 (2), 222-226
ectoparasites, pigs, incidence higher in younger pigs and during rainy seasons: Ibadan and Eruwa, Western Nigeria

Seasonal distribution
Dobsinsky, O., 1974, Vet. Med., Praha, v. 47, v. 19 (5), 255-263
polyparasitism by helminths in cattle, incidence, population dynamics, seasonal distribution: Cuba

Seasonal distribution
Doube, B. M.; and Heath, A. C. G., 1975, J. Med. Entom., v. 12 (4), 443-447
Haemaphysalis, Ixodes, parasitization by wasp, Hunterellus sp., seasonal distribution of wasp and ticks

Seasonal distribution
Draeger, N., 1977, Berl. u. Munchen. Tierarztl. Wchnschr., v. 90 (23), 454-457
Demodex spp., cattle, prevalence and importance, control measures, no seasonal variations in prevalence noted: Chobe District, Botswana

Seasonal distribution
Drudge, J. H.; et al., 1975, Am. J. Vet. Res., v. 36 (11), 1585-1588
Gasterophilus intestinalis, G. nasalis, horses (stomach), annual and monthly incidence of occurrence of 2nd vs. 3rd instars, size of infections, implications for dynamics of infection and span of transmission: Kentucky

Seasonal distribution
Dutz, W.; et al., 1976, National Cancer Inst. Monograph (43), 31-40
Pneumocystis carinii interstitial plasma cell pneumonia in premature infants whose passive immunity due to maternally transferred antibodies has lost its effectiveness before infant's humoral immune systems have reached maturity, statistical observations from Shiraz Orphanage in Shiraz, Iran

Seasonal distribution
Dzhabbarov, D. G., 1975, Izvest. Akad. Nauk Azerbaidzhan. SSR, s. Biol. Nauk (4), 90-92
Protostrongylus, sheep, seasonal and age dynamics of infection: Lesser Caucasus

Seasonal distribution
Easton, E. R., 1975, J. Med. Entom., v. 12 (3), 295-298
Trombiculidae, comparison of incidence, hosts and seasonal activity in two diverse habitats: Oregon

Seasonal distribution
Edler, A.; and Nilsson, A., 1973, Entom. Scand., v. 4 (4), 274-282
ectoparasites of small mammals from two woodland habitats, seasonal variation, frequency and intensity of infestation, numerical comparison of ectoparasitic groups: southern Sweden

Seasonal distribution
Egorov, V. I., 1968, Botan. i Zool. Issled. Dal'nem Vostoke, v. 2, 256-260
ascariasis, trichuriasis, swine, epizootiology, seasonal distribution of depositing eggs and larvae in barns and pastures: Primor'e

Seasonal distribution
Elkins, C. A.; and Corkum, K. C., 1976, J. Wildlife Dis., v. 12 (2), 208-214
Crepidostomum isostomum and Phyllodistomum pearsei, growth dynamics (growth phases categorized by development and maturation of reproductive system) and seasonal prevalence, age of host and prevalence of infection, Aphredoderus sayanus: Whisky Bay, west of Intercoastal Canal, West Baton Rouge Parish, Louisiana

Seasonal distribution
Esch, G. W.; et al., 1976, Tr. Am. Fish. Soc., v. 105 (3), 486-490
Pomphorhynchus bulbocolli, Leptorhynchoides thecatus, helminth recruitment, bluegills, modified live-box technique, tethered and untethered fish compared, parasite spatial distribution

Seasonal distribution
Esch, G. W.; Johnson, W. C.; and Coggins, J. R., 1975, Proc. Oklahoma Acad. Sc., v. 55, 122-127
Proteocephalus ambloplitis population dynamics, smallmouth bass (Micropterus dolomieui), lake temperature profile and infection rates, host hormones as possible stimulus for parenteric plerocercoid migration; suggested absence of competitive interaction between P. ambloplitis and Leptorhynchoides thecatus, densities of acanthocephalans and tapeworms and number of pyloric ceca present suggested potential space available for attachment not fully exploited: Gull Lake, Kalamazoo County, Michigan

Seasonal distribution
Eure, H., 1976, Parasitology, v. 73 (2), 205-212
Proteocephalus ambloplitis, population biology in Micropterus salmoides, seasonal incidence of adults vs. larvae, postulated that decline in water temperature in southern latitudes and increase in water temperature in northern latitudes initiates migration of plerocercoids from parenteric to enteric sites where maturation to adult form ensues: reservoir heated by thermal effluents, ERDA Savannah River Plant near Aiken, South Carolina

Seasonal distribution
Eure, H., 1976, Parasitology, v. 73 (3), 355-370
Neoechinorhynchus cylindratus in Micropterus salmoides, seasonal periodicity (attempt to determine effects of water temperature, seasonally related host feeding habits, availability of infected intermediate hosts, host's sex and age, host location within reservoir), attempted analyses of parasite recruitment rate, maturation cycle, and sex ratio: heated reservoir (Par Pond), Energy Research and Development Administration's Savannah River Plant, Aiken, South Carolina

Seasonal distribution
Evans, N. A., 1977, J. Helminthol., v. 51 (3), 189-196
Sphaerostoma bramae in Rutilus rutilus, seasonal occurrence and cycle of maturation, variation in occurrence with age and sex of host, distribution within host population: Worcester-Birmingham canal

Seasonal distribution
Fallon, M. E.; and Wallace, D. C., 1977, Tr. Am. Fish. Soc., v. 106 (2), 189-191
Phyllodistomum undulans, incidence in Cottus bairdi (urinary bladder), host sex and time of year, correlation between fish length and number of parasites: Fleming Creek, Washtenaw County, Michigan

Seasonal distribution
Fang, W. S.; and Lin, J. H., 1975, Taiwan J. Vet. Med. and Animal Husb. (27), 12-18
Clonorchis sinensis, intermediate fish hosts, localization of cysts, seasonal variation: Sun Moon Lake area, Taiwan

Seasonal distribution
Farag, H. F., 1974, Tropenmed. u. Parasitol., v. 25 (1), 60-65
Schistosoma mansoni, immersion of mice as monitors in natural water as useful experimental means of studying role of canals in transmission of schistosomiasis, infection rate and intensity at different times of year, correlation with infection rates in snail populations and endemicity index in man: Al Khadra area, near Alexandria, Egypt

Seasonal distribution
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Capillaria hepatica in Rattus norvegicus, prevalence, intensity, aspects of rat population ecology and environmental factors which relate to parasite transmission and maintenance: Baltimore Zoo, Maryland

Seasonal distribution
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Minchinia nelsoni in Crassostrea virginica, epizootiologic relationships concerning parasite life cycle, pathologic effects on host, and effects of physical factors: mortality, incidence, seasonal prevalence of progressive disease stages, gross and histopathology, salinity and temperature effects, differences in host susceptibility between native and introduced hosts: Chesapeake Bay, Maryland

Seasonal distribution
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Alloglossidium renale in Palaemonetes kadiakensis (antennary gland), annual cycle, seasonal incidence, close adaptation to host life cycle (A. renale annual mortality precedes death of its shrimp definitive host): St. James and Head of Island ponds, Louisiana

Seasonal distribution
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trematodes of Laridae, survey, measurements, morphology, seasonal distribution: Loch Leven, Kinross

Seasonal distribution
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persistence of viable Toxoplasma gondii oocysts in soil up to 18 months in Kansas and 1 year in Costa Rica, experimentally buried infected cat feces; Musca fly, Armadillium sp., earthworms acted as transport hosts with earthworm possibly also vector as food for birds; seasonal distribution, effects of weather on infectivity

Seasonal distribution
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Onchocerca volvulus in humans, variations in concentrations of microfilariae in diagnostic skin snips suggests seasonal variation corresponding to climatic changes or to biting activity of Simulium vectors

Seasonal distribution
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Choanotaenia infundibulum, distribution, seasonal dynamics in Gonocephalum setulosum: Tadzhikistan

Seasonal distribution
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Seasonal distribution
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Seasonal distribution
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Seasonal distribution
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Thelohanella pyriformis, infection of tench, Tinca tinca, vegetative stages most commonly on gills, description on gills, acid mucopolysaccharides in polar cyst walls, no appreciable damage, seasonal distribution irregular, limnological data not correlated with variation in localization and dimensions: Lake Trasimeno

Seasonal distribution
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Seasonal distribution
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Hyalomma plumbeum, incidence and seasonal dynamics, farm animals: Pazardzh district

Seasonal distribution
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Haemonchus contortus, Ostertagia sp., sheep, "spring rise" in fecal egg counts, higher incidence in bred sheep than in unbred sheep, role of contaminated bedding: Maine

Seasonal distribution
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coccidiosis, sheep, infection rates, host age, season: Turkmenistan

Seasonal distribution
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Oestrus ovis, sheep, symptoms of myiasis, localization of lesions, total numbers and size distribution of larvae collected, seasonal distribution, host age: packing houses, prov. Corrientes, dept. Mercedes, Argentina

Seasonal distribution
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Haemoproteus in Zenaida macroura, prevalence with respect to year, season, host age; no correlation between parent and nestling infections; collection of potential vectors (Culicidae and Hippoboscidae): Lancaster County, Nebraska

Seasonal distribution
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strongyles, horses, seasonal development of infective larvae on pastures, survival rate

Seasonal distribution
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Sarcocystis miescheriana in pigs, seasonal variation: slaughterhouse in Roskilde, Denmark

Seasonal distribution
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Seasonal distribution
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fleas of small mammals, seasonal incidence, discussion of host-flea relationships: eastern Denmark

Seasonal distribution
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Cyathocephalus truncatus, Crepidostomum metoecus, and C. farionis from Salmo trutta, distribution and site selection in alimentary canal for single species and multispecies infections, seasonal variation: Lake Melingen and Lake Nedre Fiplingvatn, Norway

Seasonal distribution
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Seasonal distribution
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Gasterophilus intestinalis, G. nasalis, seasonal prevalence in horses: abattoirs near Dublin and Belfast, Ireland

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circadian and other rhythms of parasites, extensive review: rhythms depending on synchronous cell division, on discharge of infective forms, and on migrations of the same individuals; rhythmic migrations of intestinal worms; rhythms outside principal host; interrelation with rhythms of host environment; mathematical treatment; annual and other rhythms

Seasonal distribution
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Haemobartonella felis and/or Eperythrozoon felis, feline infectious anaemia, relative risk according to age, sex and breed of cats, prior disease, seasonal occurrence, mortality, pattern of risk suggests horizontal transmission probably by direct contact

Seasonal distribution
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Protospirura numidica criceticola, influence of intermediate hosts on infection pattern in Peromyscus maniculatus sonoriensis, yearly infections seasonal in desert habitats, low steady rate in mountains: Utah

Seasonal distribution
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Seasonal distribution
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Seasonal distribution
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Seasonal distribution
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Seasonal distribution
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Ascaris lumbricoides, survey of soil contamination with Ascaris eggs, seasonal variations, possible control with improved sewage management: Isfahan, Iran

Seasonal distribution
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Pseudodactylogyrus microchis in Anguilla anguilla (gills), seasonal occurrence: experimental pond at Hiroshima University; eel farm ponds in Tokushima Prefecture

Seasonal distribution
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Seasonal distribution
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survey of domestic fly population, distribution patterns, diurnal and seasonal variations: Nsukka, East Central State, Nigeria

Seasonal distribution
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Dermacentor variabilis, larvae and nymphs, relationships with nesting Peromyscus, population peaks in April and June, relationships with mouse populations, no differences between north- and south-facing hill slope locations; handsorting of nest material superior to Berlese funnel technique for collecting engorged ticks

Seasonal distribution
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Uncinaria stenocephala, seasonal fluctuations in numbers of third stage larvae on grass runs of greyhound kennel: Britain

Seasonal distribution
Jacobs, D. E.; and Prole, J. H. B., 1976, Vet. Parasitol., v. 1 (4), 377-387
helminth infections of racing greyhounds, survey of 869 dogs, prevalence in relation to age and sex of host and season of year: southeast England

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Parvatrema homoeotecnum, percentage infection in Littorina saxatilis tenebrosa var. similis as affected by seasonal variations in host population density and correlation with host breeding cycle, migration, growth and mortality; brief comparisons with distribution in Microphallus similis and M. pygmaeus forms A and B: Twr Gwylanod, near Aberystwyth

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Seasonal distribution
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Seasonal distribution
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Paramoeba perniciosa in Callinectes sapidus, seasonal and geographic distribution, symptoms and diagnosis, tissue location, morphology, and replication, pathology, host defense reactions, laboratory transmission: Chincoteague Bay, Virginia; Long Island Sound, Connecticut; Sandy Hook Bay, New Jersey

Seasonal distribution
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Cochliomyia hominivorax, seasonal occurrence: central Tamaulipas, Mexico

Seasonal distribution
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intestinal helminths of Anas platyrhynchos, survey, influence of host migration on parasite prevalence, exact site in intestine: the Naardermeer, The Netherlands

Seasonal distribution
Kale, O. O., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 208-214
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Seasonal distribution
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seasonal occurrence of trombiculid mites: Toyama Prefecture, northern Honshu

Seasonal distribution
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Diplostomum gasterostei and Tylodelphys clavata in Perca fluviatilis (eyes), seasonal changes in frequency distribution, incidence and intensity of infection, parasite life span, age of host: Slapton Ley, South Devon

Seasonal distribution
Kennedy, C. R.; and Lie, S. F., 1976, J. Fish Biol., v. 8 (4), 293-302
Eustrongylides sp., distribution, pathogenicity of larvae in fish host, preference for female fish and larger fish, little accumulation in older fish, no seasonal changes in infection levels nor pathological effects

Seasonal distribution
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trypanosomes in Odocoileus hemionus (blood), trypomastigote and epimastigote forms in the spring, trypomastigote forms in winter: captive at Wyoming Game and Fish, Sybille Big Game Research Unit

Seasonal distribution
Kirton, A. H.; et al., 1976, N. Zealand Vet. J., v. 24 (4), 59-64
Dictyocaulus sp., lambs, seasonal incidence of enzootic pneumonia, effect on growth, little economic significance in present flock

Seasonal distribution
Klei, T. R.; and DeGiusti, D. L., 1975, J. Wildlife Dis., v. 11 (1), 130-135
Haemoproteus columbae and Pseudolynchia canariensis in Columba livia, seasonal occurrence of H. columbae highest during fall and winter, correlating with changes in vector population: Detroit, Michigan

Seasonal distribution
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gastrointestinal nematodes, lambs, effect of breed and birth date on parasite acquisition: Clay Center, Nebraska

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Seasonal distribution
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Hypoderma, cattle, determining best timing for prophylactic treatment with phosphororganic insecticides in relation to seasonal distribution of fly larvae

Seasonal distribution
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Fasciola hepatica in sheep and cattle, Dicrocoelium dendriticum in sheep, egg production in relation to host age and season of year; problems in estimation of numbers of flukes from numbers of eggs in feces, bile or gall bladders

Seasonal distribution
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Ixodes persulcatus, 59 regional population complexes within range, indices of abundance and adult seasonal activity, boundaries for each

Seasonal distribution
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cestode parasites of Anseriformes under conditions of a zoological park, circulation among hosts, host specificity; life cycles and seasonal distribution of some species: Warszawa Zoo

Seasonal distribution
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nematodes, sheep under natural field conditions, seasonal distribution as modified by dehelminthization, possible management strategies for effective timing of dehelminthization: Western Bohemia

Seasonal distribution
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Dictyocaulus viviparus, reindeer, verminous bronchopneumonia, pathology; endemic with healthy carriers; infestation probably on pasture in summer or fall, but clinical disease in spring, probable inhibited larval development in winter: Finnmark, northern Norway

Seasonal distribution
Kunz, S. E.; and Cunningham, J. R., 1977, Southwest. Entom., v. 2 (2), 79-87
Haematobia irritans, population prediction equation using environmental factors, reproductive bionomics, seasonal distribution, emergence, overwintering: Texas

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Proctoeces maculatus, morphology, seasonal variation in infection rates of sporocysts and adult worms, Mytilus edulis: Shark River, Belmar, New Jersey

Seasonal distribution
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parasites of Rana catesbeiana: Indiana

Seasonal distribution
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Seasonal distribution
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Haemonchus contortus cayugensis, lambs, infection with selected strain of smooth or of linguiform worms and subsequent grazing on same pasture, seasonal changes in phenotypes in relation to population density (affects frequencies of linguiform A vs. B but not of smooth vs. linguiform), "It appears therefore that the proportion of smooth to linguiform worms is a stable equilibrium maintained by natural selection."

Seasonal distribution
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Dermacentor marginatus, prevalence survey, seasonal distribution, possible role as vector of Q fever: Germany

Seasonal distribution
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Proteocephalus sp. in Salmo trutta, incidence and intensity, seasonal fluctuation, geographic distribution: central and western regions of south Norway

Seasonal distribution
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Seasonal distribution
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Dermacentor auratus ("wide spur and close spur" forms), mark-release and recapture program to study abundance, distribution, seasonal activity and movements and ecology of ticks: West Malaysia

Seasonal distribution
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Seasonal distribution
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Seasonal distribution
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ectoparasites, seasonal fluctuations, Passer domesticus: northwestern Indiana

Seasonal distribution
MacLeod, J.; et al., 1977, Bull. Entom. Research, v. 67 (1), 161-173
seasonal activity and attachment sites of ticks on cattle, infestation patterns on other domestic and wild animals: Central Province of Zambia

Seasonal distribution
MacLeod, J.; and Colbo, M. H., 1976, Bull. Entom. Research, v. 66 (1), 65-74
role of cattle in maintaining immature stages of Amblyomma variegatum and Rhipicephalus appendiculatus, relationship of larva-nymph ratios to seasonal periodicity and body localization: Zambia

Seasonal distribution
Majumder, S. S.; Mukherjee, O. P.; and Ghosh, P., 1975, Dobuts. Zasshi, Tokyo, v. 84 (3), 258-261
nematodes, trematodes, cestodes, snakes, seasonal infection variation: West Bengal villages

Seasonal distribution
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Plasmodium vivax, seasonal pattern and patterns of recurrences in high-incidence coastal area, relapse pattern observed may provide for parasite survival through prolonged dry season of low transmission potential: El Salvador

Seasonal distribution
Mason, J.; and Hobbs, J., 1977, Bull. Pan Am. Health Organ., v. 11 (1), 17-30
malaria field studies, 1971-1973, incidence, seasonal occurrence, densities in regard to host age and sex: coastal area of El Salvador

Seasonal distribution
Matson, B. A.; and Norval, R. A. I., 1977, Rhodesian Vet. J., v. 8 (1), 2-6
seasonal occurrence of adult ixodid ticks on cattle on a highveld farm: Rhodesia

Seasonal distribution
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Caryophyllaeus laticeps, seasonal incidence, ages of parasite and worm burden in bream; estimating host diet of intermediate hosts from parasite incidence; C. laticeps incidence in relation to Ligula intestinalis incidence

Seasonal distribution
Mitchell, C. J., 1971, J. Med. Entom., v. 8 (1), 56-61
Laelaps nuttalli, Polyplax spinulosa, Xenopsylla astia, X. cheopis on Bandicota bengalensis, seasonal fluctuations; prevalence of B. bengalensis and accompanying decrease in Rattus rattus and X. cheopis has diminished the threat of plague: Calcutta, India

Seasonal distribution
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Ixodes ricinus, seasonal incidence, vegetation and cattle: Netherlands

Seasonal distribution
Mullin, S. W.; Colley, F. C.; and Welch, Q. B., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 93-98
Eimeria spp., mark-release-recapture techniques used to study ecology of coccidia in Malaysian rain-forest mammals, seasonal variations, reinfection records, immunity: Bukit Lanjan Forest Reserve, West Malaysia

Seasonal distribution
Muraleedharan, K.; et al., 1976, Mysore J. Agric. Sc., v. 10 (1), 105-117
prevalence and incidence of Schistosoma nasale in cattle and buffaloes, disease dependent upon host age and sex, number of infected snail intermediate hosts, temperature, and rainfall: Karnataka State (Dhanayakanapura, Bangalore District; Hunchipura, Mandya District)

Seasonal distribution
Mutafova, T., 1972, Izvest. Tscntral. Khelmint. Lab., v. 15, 143-150
Haemonchus contortus, Ostertagia sp., Trichostrongylus sp., sheep, seasonal changes in egg-production, spring rise observed irrespective of age or sex of host

Seasonal distribution
Muzzall, P. M.; and Rabalais, F. C., 1975, Proc. Helminth. Soc. Washington, v. 42 (1), 31-34
Acanthocephalus jacksoni from fish, seasonal periodicity, effect of water temperature, definitive host spawning period, vegetation, and intermediate host: Jackson Cutoff, Wood County, Ohio

Seasonal distribution
Nakata, K., 1975, Eisei Dobutsu (Japan. J. San. Zool.), v. 27 (2), 189-194
trombiculid mites, seasonal fluctuations of larvae, difference of modes for attachment to rodents, incidence and number of species vary with vegetation types

Seasonal distribution
Narsapur, V. S., 1977, Indian Vet. J., v. 54 (10), 856-858
monieziasis, sheep, goats, cattle, strategic anthelmintic treatment of entire flock or herd during prepeak population periods of oribatid mite intermediate hosts, prevention of pasture contamination

Seasonal distribution
Ndiritu, C. G.; and Al-Sadi, H. I., 1977, J. Small Animal Practice, v. 18 (3), 199-205
hookworms, dogs, age and sex incidence, seasonal distribution, clinical picture, pathology: Nairobi, Kenya

Seasonal distribution
Neto, M. P.; Grisi, L.; and Amato, J. F. R., 1975, Rev. Brasil. Biol., v. 35 (4), 639-643
Agriostomum vryburgi, incidence and intensity by seasons, cattle (Zebu-friesland) (large intestine): state of Rio de Janeiro, Brazil

Seasonal distribution
Nevill, E. M., 1975, Onderstepoort J. Vet. Research, v. 42 (1), 41-48
Parafilaria bovicola of cattle, potential fly vectors as determined by field collections and laboratory studies, seasonal variation in rates of infection in flies, only female flies were infected: Transvaal

Seasonal distribution
Noblet, R.; Kissam, J. B.; and Adkins, T. R., jr., 1975, J. Med. Entom., v. 12 (1), 111-114
Leucocytozoon smithi, transmission to sentinel turkeys by Simulium slossonae and S. congareenarum in 2 areas near turkey breeder farms, incidence and seasonal distribution: Coastal Plains near Sumter and the Sandhills near Pageland, South Carolina

Seasonal distribution
Norval, R. A. I., 1975, J. Parasitol., v. 61 (4), 730-736
Haemaphysalis silacea, ecology: habitat preferences, distribution in relation to microclimatic conditions, seasonal activity, seasonal occurrence on hosts, sex ratio of ticks, host/tick interactions as result of host daily movements and feeding habits, site of attachment: Paardekraal Farm, Kowie River Valley, 15 km SE of Grahamstown, Eastern Cape Province, South Africa

Seasonal distribution
Norval, R. A. I., 1975, J. Parasitol., v. 61 (4), 737-742
Amblyomma marmoreum, ecology: habitat preference, seasonal activity, seasonal occurrence on hosts, life cycle in laboratory correlated with field observations, temperature dependence of feeding time, effects of host seasonal behavior: Paardekraal Farm, Kowie River Valley, 15 km SE of Grahamstown, Eastern Cape Province, South Africa

Seasonal distribution
Norval, R. A. I., 1977, J. Parasitol., v. 63 (4), 734-739
Amblyomma hebraeum, distribution of larvae in relation to vegetation and microclimate, seasonal activity of all stages in relation to macroclimate, life cycle normally of 3 years duration, adult and nymphal activity correlated with daylength, temperature, and rainfall: Eastern Cape Province, South Africa

Seasonal distribution
Norval, R. A. I., 1977, J. Parasitol., v. 63 (4), 740-747
Amblyomma hebraeum, survival and rate of development in relation to temperature and humidity under laboratory and field conditions, longevity of unfed ticks, ecological implications of results

Seasonal distribution
Obiamiwe, B. A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 35-43
survey, human intestinal parasites in relation to seasonal rainfall, dietary habits, and sanitation: Benin City, Nigeria

Seasonal distribution
Odening, K.; and Bockhardt, I., 1976, Zool. Anz., Jena, v. 196 (3-4), 182-188
Azygia lucii, seasonal occurrence, pike, (Esox lucius), age of host: near Berlin

Seasonal distribution
Odense, P. H.; and Logan, V. H., 1976, J. Protozool., v. 23 (4), 564-571
Eimeria gadi in Melanogrammus aeglefinus, prevalence, distribution, seasonal variation, morphology, pathologic implications: Nova Scotian fishing banks

Seasonal distribution
Ogbourne, C. P., 1976, J. Helminth., v. 50 (3), 203-214
Cyathostominae in horses (large intestine), prevalence, relative abundance, site distribution, seasonal variation, epidemiological implications: south-west England

Seasonal distribution
Ogunba, E. O., 1977, J. Trop. Med. and Hyg., v. 80 (9), 187-191
human intestinal protozoa, epidemiologic and prevalence survey in Ibadan, Nigeria

Seasonal distribution
Oikawa, H.; et al., 1975, Japan. J. Vet. Sc., Tokyo, v. 37 (3), 271-279
Eimeria spp., chickens, survey during 1973 neither seasonal nor regional distribution differences were observed; oocyst detection rate significantly low in chicks up to 30 days old: Japan

Seasonal distribution
Olsen, T., 1976, Sarsia (61), 55-57
Podocotyle atomon, two-spot gobies, Gobius flavescens (stomach, intestine), incidence increases with host age; monthly incidence: Lindaspollene, western Norway

Seasonal distribution
Olson, R. E., 1976, J. Protozool., v. 23 (1), 158-164
Glugea stephani in Parophrys vetulus, incidence and intensity of infection in different months, field and laboratory infections only occurred at temperatures above 15 C, successful transmission by Artemia salina or Corophium spinicorne vectors as well as direct ingestion of spores, heavy infections are potentially lethal: upper Yaquina Bay estuary, Oregon

Seasonal distribution
Overstreet, R. M., 1977, J. Parasitol., v. 63 (5), 780-789
Poecilancistrium caryophyllum in Cynoscion nebulosus, seasonal incidence and intensity, relation of infections to salinity and temperature of water, host length and host sex, common infection sites, effect of plerocercoids on host, possible immune response: Gulf of Mexico

Seasonal distribution
Owen, D.; and Chessum, B. S., 1977, Vet. Rec., v. 101 (20), 402-404
Toxoplasma spp., sheep, goat, Sabin Feldman dye test, no seasonal fluctuations demonstrated in antibody titres

Seasonal distribution
Panchin, O. G.; et al., 1975, Veterinariia, Kiev (40), 100-104
helminths and coccidia, sheep, seasonal incidence on pastures, measures for control: Kalanchats'k region, Kherson oblast

Seasonal distribution
Paperna, I.; and Zwerner, D. E., 1976, Canad. J. Zool., v. 54 (4), 449-462
Ergasilus labracis, distribution, seasonal abundance, host age, life cycle, developmental stages (free-living and on Morone saxatilis), laboratory studies on egg development, hatching, naupliar survival, and adult female survival; effects of temperature and salinity: lower Chesapeake Bay

Seasonal distribution
Patrick, C. D.; and Hair, J. A., 1977, Environment. Entom., v. 6 (2), 263-269
Amblyomma americanum, seasonal abundance of adults, nymphs and larvae on Odocoileus virginanus: Cookson Hills State Game Refuge, eastern Oklahoma

Seasonal distribution
Pearre, S., jr., 1976, J. Marine Biol. Ass. United Kingdom, v. 56 (2), 503-513
hemiurid larvae, gigantism and partial parasitic castration of Sagitta spp., incidence, seasonal distribution, copepod prey Paracalanus sp. possible vector of infection: off Spanish Mediterranean coast

Seasonal distribution
Perłowska, R., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 27-32
helminths of fishes, 1963-1964: Zegrzynski Reservoir

Seasonal distribution
Pfadt, R. E., 1976, J. Econom. Entom., v. 69 (3), 313-316
annual fluctuation of Melophagus ovinus population among lambs, yearlings, and older ewes (lowest ked numbers present in summer, highest numbers in late winter and early spring): foothills of southeastern Wyoming

Seasonal distribution
Pitchford, R. J.; and Du Toit, J. F., 1976, Ann. Trop. Med. and Parasitol., v. 70 (2), 181-187
Schistosoma intercalatum, S. leiperi, S. margrebowiei, shedding patterns and outdoor conditions affecting them, comparisons with S. haematobium

Seasonal distribution
Pitchford, R. J.; and Visser, P. S., 1975, J. Helminth., v. 49 (2), 137-142
Schistosoma mattheei, pattern of excretion of eggs from naturally infected definitive hosts living in their normal environment over an extended period, man (decline with time, daily periodicity), baboon (seasonal pattern), cattle (stable pattern throughout year)

Seasonal distribution
Plasota, K., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 47-60
helminths of frogs, comparison of aquatic and terrestrial hosts, relation of parasite fauna to environment, food supplies and food habits, host life cycle, temperature, rainfall, season, age and sex of host, competition between species of parasite, localization within host: Kampinos National Park, Poland

Seasonal distribution
Podhajecky, K.; and Tomasovicova, O., 1976, Biologia, Bratislava, s. B, Zool. (3), v. 31 (8), 595-599
Trichinella spiralis, reproductive potential in relation to size of infecting dose and to season of year, mice

Seasonal distribution
Ponyi, J.; Biro, P.; and Murai, E., 1972, Parasitol. Hungar., v. 5, 383-408
internal helminths of Acerina cernua (intestine), incidence survey, seasonal variations and host growth and development in relationship to parasitic burden: Lake Balaton, Hungary

Seasonal distribution
Powlesland, R. G., 1977, N. Zealand J. Zool., v. 4 (1), 85-94
Ornithonyssus bursa on Sturnus vulgaris, no demonstrable effects on growth rate, mortality, blood picture or lipid stores of nestlings; seasonal pattern of infestation parallels starling breeding season: Manawatu region, New Zealand

Seasonal distribution
Prieto, R., 1975, Rev. Cubana Cien. Vet., v. 5 [on cover], v. 6 [on title page] (1-2), 51-56
Gasterophilus intestinalis, G. nasalis, horses, seasonal incidence and changes in oviposition: province of Havana, Cuba

Seasonal distribution
Prosl, H., 1976, Ztschr. Parasitenk., v. 50 (2), 203-204
nematodes, seasonal dynamics in deer

Seasonal distribution
Puciłowska, A., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 33-46
helminths of fishes, dynamics of infection following formation of artificial body of water, seasonal distribution: Zegrzynski Reservoir

Seasonal distribution
Raibaut, A.; Ben Hassine, O. K.; and Prunus, G., [1976], Bull. Soc. Zool. France, v. 100 (4), 1975, 427-437
Ergasilus nanus, Mugil cephalus (gills), infestation dependent upon water temperature and salinity, parasite number increases with host size: lake Ischkeul, Tunisia

Seasonal distribution
Ramajo Martin, V.; and Simon Vicente, F., 1975, Anuario Cent. Edafol. y Biol. Aplic. C.S.I.C., v. 1, 137-163
Trichostrongylidae, sheep, development on pastures, climatic factors: Salamanca

Seasonal distribution
Randall, R. W.; and Gibbs, H. C., 1977, Am. J. Vet. Research, v. 38 (10), 1665-1668
gastrointestinal nematodes, dairy cattle, occurrence, degree of parasitism, and seasonal fluctuations: Maine

Seasonal distribution
Rawson, M. V., jr., 1976, J. Fish Biol., v. 9 (2), 185-194
monogenean trematodes, development in Mugil cephalus, seasonal distribution, intensity of infection, parasite number increases with host age: spartina marsh drainages, Sapelo Island, McIntosh County, Georgia

Seasonal distribution
Rawson, M. V., jr., 1977, J. Fish Biol., v. 10 (5), 441-451
crustacean parasites of Mugil cephalus, prevalence and intensity of infection, seasonal abundance, distribution on yearlings indicates a high degree of habitat subdivision on gill arches: Sapelo Island, Georgia

Seasonal distribution
Rawson, M. V.; and Rogers, W. A., 1973, J. Wildlife Dis., v. 9 (2), 174-177
Gyrodactylus macrochiri, seasonal abundance on Micropterus salmoides and Lepomis macrochirus in relation to surface water temperature: Walter F. George Reservoir, Alabama

Seasonal distribution
Reid, J. F. S., 1976, Vet. Rec., v. 98 (25), 496-499
gastrointestinal nematodes, coccidiosis, diarrhea of sheep, age and seasonal factors: Britain

Seasonal distribution
Reid, J. F. S.; and Armour, J., 1975, J. Comp. Path., v. 85 (1), 163-170
Ostertagia circumcincta, breeding ewes, degree by which immune status varied on a seasonal basis (remained substantially immune to challenge), situation not altered by thiabendazole treatment

Seasonal distribution
Reisen, W. K.; Kennedy, M. L.; and Reisen, N. T., 1976, J. Parasitol., v. 62 (4), 628-635
winter ecology of ectoparasites collected from hibernating Myotis velifer (incidence, intensity, monthly changes, parasite and host sex ratio, interspecific associations, parasite age structure, etc.): Harmon County, southwestern Oklahoma

Seasonal distribution
Richardson, P. N.; and Hesling, J. J., 1977, Ann. Applied Biol., v. 86 (3), 321-327
Howardula husseyi, winter decline in parasitism of Megaselia halterata, major mushroom pest; beakers in field test

Seasonal distribution
Robertson, A. S.; et al., 1975, J. Med. Entom., v. 12 (5), 525-529
Amblyomma americanum, unfed male and female adults, daily and seasonal behavior in relation to temperature, humidity, and photoperiod in different habitats, behavioral patterns suggest activity regulation by body water content: Cookson Hills State Game Refuge, Cherokee County, Oklahoma

Seasonal distribution
Robertson, A. S.; et al., 1975, J. Med. Entom., v. 12 (5), 530-534
Amblyomma americanum, molting behavior of engorged nymphs and larvae in 2 contrasting habitats, effect of environmental conditions on molting time and post-molt activity: Cherokee Co., Oklahoma

Seasonal distribution
Robinson, J. V.; and Combs, R. L., jr., 1976, J. Econom. Entom., v. 69 (6), 722-724
Heterotylenchus autumnalis in Musca autumnalis, seasonal incidence, host longevity: Monroe and Chicksaw Counties, Mississippi

Seasonal distribution
Rotramel, G. L.; Schwan, T. G.; and Doty, R. E., 1976, Am. J. Epidemiol., v. 104 (3), 287-293
geographic, seasonal and host distribution of suspected tick vectors and correlation with reported cases of Rocky Mountain spotted fever: California

Seasonal distribution
Rozman, M.; Jonlija, R.; and Mustapic, A., 1971, Acta Parasitol. Iugoslavica, v. 2 (2), 99-103
Dicrocoelium lanceatum, survey of land snails, seasonal incidence of infection in Zebrina detrita: Yugoslavia

Seasonal distribution
Rust, R. W., 1973, J. Med. Entom., v. 10 (2), 169-175
ectoparasitic mites of Thomomys bottae, mite age structure, seasonal fluctuations, effect of host macro- and microenvironment on host specificity: Davis, California

Seasonal distribution
Sawyer, T. K.; Newman, M. W.; and Otto, S. V., 1973, J. Protozool., v. 20 (4), 511
gregarine-like intestinal parasite causing seasonal pathology in the American oyster: rivers and tributaries of Chesapeake Bay, Maryland

Seasonal distribution
Schad, G. A.; et al., 1973, Science (4085), v. 180, 502-504
Ancylostoma duodenale, human, seasonal variation in egg counts and larval abundance and distribution, evidence for occurrence of arrested development as an adaptation to a seasonally unfavorable external environment: West Bengal, India

Seasonal distribution
Schantz, P. M.; et al., 1976, Tropenmed. u. Parasitol., v. 27 (1), 70-78
significance of infectivity survey of domestic animals and wild carnivores as potential reservoir hosts of Echinococcus granulosus in Argentina, host-induced morphologic variations

Seasonal distribution
Schawalder, P., 1976, Schweiz. Arch. Tierh., v. 118 (5), 203-216
parasite fauna of dogs, epidemiological and ecological parameters (resistance in relation to age, seasonal distribution in relation to ecological factors): Bern area, Switzerland

Seasonal distribution
Scherf, H., 1976, Mitt. Deutsch. Entom. Gesellsch., v. 35 (4-6), 85-90
Hoplopleura edentula, bionomics, seasonal distribution and life cycle in relation to seasonal hair changes in juvenile and mature Clethrionomys glareolus: Naturpark Hoher Vogelsburg

Seasonal distribution
Schock, R. C., 1976, Mod. Vet. Pract., v. 57 (3), 181-184
gastrointestinal nematodes, cattle, level of parasitism, pasture conditions, nutrition and age of host, seasonal influences

Seasonal distribution
Schweisgut, I., 1975, Untersuchungen uber den Endoparasitenbefall des Rotwildes im Nationalpark Bayerischer Wald in den Jagdjahren 1973/74 und 1974/75, 70 pp.
survey of helminths in [Cervus elaphus], comments on incidence in relation to season and age and sex of host: Nationalpark Bayerischer Wald

Seasonal distribution
Scott, J. M.; and Goll, P. H., 1977, Brit. Vet. J., v. 133 (3), 273-280
Fasciola hepatica, seasonal availability of metacercariae on pasture studied using parasite-free tracer lambs; anthelmintic trials with carbon tetrachloride, oxyclozanide, and rafoxanide: Ethiopian Central Highlands

Seasonal distribution
Scott, K. J.; and Bullock, W. L., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 256-257
Bothriomonus sturionis, variation in rate of infection, seasonal peak, gonads absent in infected female Psammonyx nobilis, no effect on size: Foss Beach, New Hampshire; Gerrish Island and Goose Rocks Beach, Maine

Seasonal distribution
Seaman, R. N.; and Nash, D. J., 1976, Great Basin Nat., v. 36 (4), 481-482
Cuterebra larvae in 2 sympatric species of Peromyscus, incidence, monthly variation; larvae show definite preference for P. maniculatus: northern Colorado

Seasonal distribution
Semtner, P. J.; Sauer, J. R.; and Hair, J. A., 1973, J. Med. Entom., v. 10 (2), 202-205
Amblyomma americanum, molting time of replete nymphs under field conditions, seasonal variance; post-molt behavior of adults during first and second summer in different habitats, survival, overwintering success

Seasonal distribution
Seneviratna, P.; Edward, A. G.; and DeGiusti, D. L., 1975, Am. J. Vet. Research, v. 36 (3), 337-339
Sarcocystis spp., frequency of infection in feral and domesticated animals, high frequency of infection in sheep in summer: Detroit metropolitan area, Michigan

Seasonal distribution
Shinonaga, S.; et al., 1974, J. Med. Entom., v. 11 (5), 595-598
Thelazia rhodesi, T. skrjabini, seasonal fluctuation in cattle closely correlated with numbers of Musca hervei infesting cattle and natural infection rate of Thelazia spp. in M. hervei: Chiba city, Japan

Seasonal distribution
Shiranovich, P. I.; et al., 1977, Izvest. Akad. Nauk Azerbaidzhan. SSR, s. Biol. Nauk (2), 89-95
Siphonaptera of Meriones erythrourus, seasonal distribution, temperature and precipitation in relation to population dynamics of host, incidence of plague and its epizootiology: Transcaucasus

Seasonal distribution
Shousmanov, Sh., 1974, Uzbek. Biol. Zhurnal (6), 67-68
Goniocotes chrysocephalus, comparative numbers on chickens in various seasons, distribution on abdomen, tarsus, back, tail and wing of host: Uzbekistan

Seasonal distribution
Singh, A.; and Chhabra, R. C., 1974, Indian J. Animal Sc., v. 43 (5), 1973, 393-397
arthropods of domestic animals, seasonal distribution: Hissar and suburbs, India

Seasonal distribution
Singh, O. P.; and Rai, P., 1975, Indian J. Animal Research, v. 9 (1), 1-7
ascariasis, seasonal incidence, zebu and buffalo calves: India

Seasonal distribution
Skorping, A., 1976, Norwegian J. Zool., v. 24 (4), 466 [Abstract]
Bunodera luciopercae in Perca fluviatilis, seasonal variation in incidence, intensity, and worm reproductive state: Norway

Seasonal distribution
Smeal, M. G.; et al., 1977, Austral. Vet. J., v. 53 (12), 566-573
nematodes, cattle, occurrence, seasonal distribution, poor relationship between faecal egg counts and worm burdens: North Coast and Tableland regions of New South Wales

Seasonal distribution
Smith, M. W., 1973, Ann. Trop. Med. and Parasitol., v. 67 (4), 483-492
Rhipicephalus appendiculatus, Amblyomma variegatum, immature stages, effect of immersion in water (in laboratory but under field conditions), implications for correlation of seasonal periodicity with rainfall

Seasonal distribution
Smychkov, A. S., 1976, Sborn. Nauch. Rabot. SibNIVI, Sibirsk. Nauchno-Issled. Vet. Inst. (26), 129-134
Moniezia expansa, M. benedeni, Thysaniezia giardi, pastured sheep, long-term treatment with a mixture of copper sulfate-phenothiazine salt, influence of host age and seasonal distribution on incidence and intensity of infection

Seasonal distribution
Sonenshine, D. E.; and Clifford, C. M., 1973, J. Med. Entom., v. 10 (5), 497-502
Ixodes dentatus, Haemaphysalis leporispalustris, incidence of Rocky Mountain spotted fever in ticks infesting birds; tick-host relationships between Piedmont and eastern coastal area compared

Seasonal distribution
Southcott, W. H.; Major, G. W.; and Barger, I. A., 1976, Austral. J. Agric. Research, v. 27 (2), 277-286
sheep nematodes, seasonal pasture contamination, availability to infect grazing sheep, overwintering: Armidale, New South Wales

Seasonal distribution
Spencer, L. T., 1974, Am. Midland Naturalist, v. 91 (2), 505-509
Polymorphus minutus, seasonal fluctuation and effect on reproduction in Gammarus lacustris: Sheep Lakes, Rocky Mountain National Park, Colorado

Seasonal distribution
Spielman, A., 1976, Am. J. Trop. Med. and Hyg., v. 25 (6), 784-787
seasonal distribution of Ixodes scapularis, the most abundant tick on Peromyscus leucopus on Nantucket Island, demonstration of competence as vector of Babesia microti derived from human infection recently acquired near study site (exper. hamster to hamster transmission)

Seasonal distribution
Suenaga, O., 1972, Nettai Igaku (Trop. Med.), v. 14 (1), 32-40
development of Dirofilaria immitis larvae in potential mosquito vectors, effects of temperature and season

Seasonal distribution
Suenaga, O.; Itoh, T.; and Nishioka, T., 1971, Nettai Igaku (Trop. Med.), v. 12 (4), 169-178
Dirofilaria immitis, prevalence survey in domestic dogs, seasonal distribution: Nagasaki City, Japan

Seasonal distribution
Tarazona, J. M., 1975, An. Inst. Nac. Invest. Agrar., s. Hig. y San. Animal (2), 11-17
trichostrongylidosis, ovine, seasonal incidence, 1971-1975: Spain

Seasonal distribution
Tareen, I. U., 1976, Internat. Rev. Ges. Hydrobiol., v. 61 (5), 699-702
Cercaria orospinosa in Melanopsis praemorsa (hepatopancreas), infestation correlated with snail size and strength of water current, seasonal distribution: Savanda stream, Turkey

Seasonal distribution
Tassi, P.; and Widenhorn, O., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 506-507
strongyles, sheep, seasonal variation in incidence: central-south and insular Italy

Seasonal distribution
Telch, J.; Vega Franco, L.; and Lara, R., 1974, Bol. Med. Hosp. Inf., v. 31 (4), 733-746
intestinal parasites, children 6 years old and under, 1-year survey of out-patients, statistical evaluation: Mexico

Seasonal distribution
Telford, S. R., jr., 1977, Internat. J. Parasitol., v. 7 (4), 299-314
saurian malaria and other haematozoa, distribution and zoogeography, taxonomic problems, incidence by locality and season, implications for vector searches, mixed infections, comparative effectiveness of initial vs. repeated examinations of blood smears for detection: Middle America

Seasonal distribution
Templeman, W.; Hodder, V. M.; and Fleming, A. M., 1976, J. Fish. Research Bd. Canada, v. 33 (4), part 1, 711-731
Lernaecera branchialis, seasonal distribution; localization of immature stages on lumpfish, adults on cod; adult infection rates on cod higher inshore than offshore, marker for host migrations; cod sexual maturity delayed by infection

Seasonal distribution
Tharaldsen, J., 1976, Acta Vet. Scand., v. 17, Suppl. 61, 1-21
trichostrongylid infections, calves, survival of larvae on pasture, occurrence of larvae not influenced by artificial irrigation; treatment with thiabendazole did not effectively control infection due to overwintering larvae, neither improved weight gain nor reduced egg production: Norway

Seasonal distribution
Thaung, U.; Khai Ming, C.; and Myint Thein, 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 555-561
Xenopsylla cheopis, X. astia, flea vectors of human plague, rodent-vector survey, seasonal distribution, DDT susceptibility tests show fleas to be persistently resistant: Burma

Seasonal distribution
Theis, J. H.; and Franti, C. E., 1971, J. Med. Entom., v. 8 (1), 23-28
Rhipicephalus sanguineus, dogs, survey, 1965-1966, lowered infestation rates due to dog eradication program, ecological data (distribution on host body, rainfall, temperature, humidity, seasonal distribution), analysis by multiple regression models: Singapore Island

Seasonal distribution
Thomas, R. J.; and Waller, P. J., 1975, Vet. Rec., v. 97 (24), 468-471
Ostertagia circumcincta, lambs naturally infected on pasture from spring to autumn, faecal egg counts, worm counts, serum pepsinogen levels, body weights, correlations; serum pepsinogen estimations as possible diagnostic test

Seasonal distribution
Tizard, I. R.; Fish, N. A.; and Quinn, J. P., 1976, J. Hyg., Cambridge, v. 77 (1), 11-21
extensive survey of human serum for presence of antibodies to Toxoplasma gondii and observations on probable epidemiology: Canada

Seasonal distribution
Todaro, W. S.; Morris, C. D.; and Heacock, N. A., 1977, Am. J. Vet. Research, v. 38 (8), 1197-1200
Dirofilaria immitis, prevalence in dogs and mosquitoes, seasonal distribution, potential vectors: central New York

Seasonal distribution
Utebaeva, M. K.; and Svanbaev, S. K., 1975, Izvest. Akad. Nauk Kazakhsk. SSR, s. Biol. (6), 27-32
Eimeria spp., pheasants, incidence, seasonal distribution: Kazakhstan

Seasonal distribution
Van Geldorp, P. J. A.; and Schillhorn van Veen, T. W., 1976, Vet. Parasitol., v. 1 (3), 265-269
periparturient rise in faecal helminth egg counts of Udah sheep, suggested that increase was due to helminths (mainly Haemonchus sp.) which had been inhibited during dry season and resumed development at beginning of rainy season, rapid decline in egg counts 5-6 weeks after lambing considered to be due to self cure associated with high rainfall: Zaria area of Nigeria

Seasonal distribution
Vankos, J.; and Reffy, F., 1976, Orvosi Hetilap, v. 117 (23), 1403-1405
increasing incidence of human scabies, most prevalent in winter months, epidemiology and 10-year statistical records of the Clinic for Dermatologic and Venereal Diseases: Budapest

Seasonal distribution
Varma, T. K.; and Subramanian, G., 1977, Livestock Advis., v. 2 (4), 27-31
helminths, Bob bubalus, seasonal incidence: Bareilly (U.P.) abattoir

Seasonal distribution
Viljoen, J. H., 1969, Onderstepoort J. Vet. Research, v. 36 (2), 233-263
nematodes of sheep, epizootiology: seasonal incidence and worm burden in relation to temperature and rainfall at three sites, availability of live infective larvae on pasture, drenching recommendations: the Karroo

Seasonal distribution
Vlassoff, A., 1976, N. Zealand J. Exper. Agric., v. 4 (3), 281-284
trichostrongyle larvae on pasture, seasonal incidence, residual pasture infestation more important than ewes as source of infection for lambs in spring, autumn infections acquired from eggs passed by lambs themselves: New Zealand

Seasonal distribution
Vosilite, B. S., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 13-17
nematode infection of Ips sexdentatus in relation to host life cycle, generations and seasonal distribution: Lithuanian SSR

Seasonal distribution
Waldeland, H., 1977, Acta Vet. Scand., v. 18 (2), 227-236
Toxoplasma, four breeding flocks of sheep, long-term (3-6 years) epidemiological studies, abnormal reproductive performance, increased prevalence with age, higher incidence in lowland pastures than in mountain pastures, lower incidence in summer than in winter: Norway

Seasonal distribution
Wang, F. C.; et al., 1977, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 23 (1), 88-96
Fasciolopsis buski, life history study, seasonal infection in pigs: Fujian Province

Seasonal distribution
Watson, T. G.; and Anderson, R. C., 1975, Canad. J. Zool., v. 53 (8), 1047-1054
louse populations on Odocoileus virginianus, seasonal changes, distribution on body: Long Point, Ontario

Seasonal distribution
Watson, T. G.; and Anderson, R. C., 1976, J. Wildlife Dis., v. 12 (1), 66-71
Ixodes scapularis on Odocoileus virginianus, numbers and stages collected in different months, preferred sites on body: Long Point, Ontario

Seasonal distribution
Whitaker, J. O., jr.; and Schlueter, R. A., 1975, Am. Midland Naturalist, v. 93 (2), 446-450
Lernaea cyprinacea, incidence at different seasons and on different-sized fish, fins and fin bases most frequently used regions for attachment: the White River at Petersburg, Indiana

Seasonal distribution
Wijers, D. J. B.; and Kiilu, G., 1977, Ann. Trop. Med. and Parasitol., v. 71 (3), 347-359
Wuchereria bancrofti, humans, extensive entomological survey comparing 2 geographically different sites for prevalence of infected mosquito vectors, correlations with seasons and socio-economic status of natives

Seasonal distribution
Wilkerson, M., 1976, J. Elisha Mitchell Scient. Soc., v. 92 (2), 49 [Abstract]
Dirofilaria immitis, dogs, prevalence; large, outside dogs have highest probability for infection; higher percentage positive for microfilaria during July-November than for entire year of 1975

Seasonal distribution
Wilkins, H. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 294 [Demonstration]
Schistosoma haematobium, egg counts in children under 10 varied with season suggesting that worm burdens are influenced both by protective immunity and patterns of water contact

Seasonal distribution
Wilkins, H. A.; and Capron, A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 186-195
Schistosoma haematobium in Gambian community, relation of antibody levels to age (indirect fluorescent antibody and indirect haemagglutination tests), seasonal changes in antibody level, relation of antibody to subsequent changes in egg output, results suggest that serologic parameters may have some relationship to protective immunity and immune response should be considered as factor in epidemiologic studies

Seasonal distribution
Wille, H., 1976, Schweiz. Bienen-Ztg., v. 99 (10), 527-535
Nosema, bees, higher incidence correlated with decreased longevity, particularly in early months of the year, statistical analysis

Seasonal distribution
Williams, J. C.; and Bilkovich, F. R., 1973, Am. J. Vet. Research, v. 34 (10), 1337-1344
Ostertagia ostertagi, distribution of infective larvae on pasture herbage, rainfall and temperature: Louisiana

Seasonal distribution
Wilson, R. J. M.; McGregor, I. A.; and Williams, K., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 453-459
Plasmodium falciparum, prevalence of malarial S-antigens in human serum or plasma, relationship of antigen presence to season and infection intensity

Seasonal distribution
Winters, J. B.; and Worley, D. E., 1975, Am. J. Vet. Research, v. 36 (3), 327-329
Dictyocaulus viviparus, occurrence in beef cattle of various age groups, seasonal cycle, potential role of wild ruminants in epizootiology of lungworms: Park, Gallatin, and Ravalli counties, western Montana

Seasonal distribution
Wissler, K.; and Halvorsen, O., 1976, Norwegian J. Zool., v. 24 (4), 462-463 [Abstract]
Elaphostrongylus rangiferi, reindeer (feces), seasonal distribution, age of host: north Scandinavia

Seasonal distribution
Wolff, K., 1976, Berl. u. Munchen. Tierarztl. Wchnschr., v. 89 (14), 272-276
Dicrocoelium dendriticum, trematode-free sheep exposed to infections on midland pasture, epizootiological observations: Switzerland

Seasonal distribution
Wolff, K., 1976, Ztschr. Parasitenk., v. 50 (2), 215
Dicrocoelium, lambs on pasture, epizootiology, seasonal distribution

Seasonal distribution
Worley, D. E.; Jacobson, R. H.; and Barrett, R. E., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 19-22
Moniezia expansa, sheep, seasonal cycle of tapeworm acquisition on summer ranges apparently results from mass exposure of lambs to range vegetation contaminated by overwintering infected oribatid mites: Montana; Idaho

Seasonal distribution
Yazwinski, T. A.; and Gibbs, H. C., 1975, Am. J. Vet. Res., v. 36 (11), 1677-1682
helminth infections, survey, dairy cattle of various age groups, seasonal worm population dynamics, relation of farm management practices to degree of parasitism: Maine

Seasonal distribution
Yii, C. Y.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 447-454
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Eimeria spp. of domestic Alectoris graeca cypriates (feces), highest incidence in birds up to two months of age and in May-June

Sectioning. See Technique, Specimen preparation and preservation.

Self-cure. See Immunity.

Self infection. See Disease transmission, Autoinfection.

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survey of human intestinal parasites in adult patients in hospital: Dakar

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parasites of [Bos indicus], survey: Senegal River area
(Trichostrongylus sp.; Haemonchus sp.; Oesophagostomum sp.; Cooperia sp.; Bunostomum sp.; Strongyloides sp.; Thelazia rhodesi; Setaria labiatopapillosa; Moniezia sp.; Taenia saginata (Cysticercus bovis); Fasciola gigantica; Paramphistomum sp.; Schistosoma sp.; Eimeria spp.)

Serial passage. See Passage.

Serum proteins. See Proteins, Blood.

Sewage. [See also Disease transmission, Water]

Sewage
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Diphyllobothrium latum, prevalence of infection in Perca fluviatilis and Esox lucius as influenced by untreated sewage water: Kama reservoir and its tributaries

Sewage
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possible transmission of helminth eggs from sewage sludge by wild birds feeding on sludge and in sludge areas

Sewage
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Taeniarhynchus saginatus eggs in sewage of urbanized areas, possible index to prevalence of adult worms in human population

Sewage
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Ascaris suum eggs, elimination from sewage by air flotation (bubbling air-saturated water through sewage) after sedimentation, preliminary experiments

Sewage
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transmission of protozoan cysts and metazoan eggs from land application of sewage effluents and sludges, brief literature review, parasite survey from selected Pittsburgh area sludges, control measures

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Sex and parasitism. [See also Reproduction]

Sex and parasitism
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Sex and parasitism
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Pleistophora crangoni n. sp. in Crangon spp., prevalence and intensity in relation to season and host size, parasitic castration of females, shift in host sex ratio toward females, unsuccessful laboratory transmission experiments, spread of infection through shrimp, infected shrimp succumbed to low oxygen stress before uninfected shrimp, histopathology

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Rattus rattus, R. norvegicus, contradictory roles in epidemiology of Schistosoma mansoni: 1) reservoir hosts of infection; 2) hosts of Ribeiroia marini, larval stages of which castrate their common intermediate host Biomphalaria glabrata; 3) predators of Biomphalaria glabrata: Guadeloupe

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Sex of host
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Sex of host
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Neoechinorhynchus cylindratus in Micropterus salmoides, seasonal periodicity (attempt to determine effects of water temperature, seasonally related host feeding habits, availability of infected intermediate hosts, host's sex and age, host location within reservoir), attempted analyses of parasite recruitment rate, maturation cycle, and sex ratio: heated reservoir (Par Pond), Energy Research and Development Administration's Savannah River Plant, Aiken, South Carolina

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Sphaerostoma bramae in Rutilus rutilus, seasonal occurrence and cycle of maturation, variation in occurrence with age and sex of host, distribution within host population: Worcester-Birmingham canal

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Sex of host
Farhang-Azad, A., 1977, J. Parasitol., v. 63 (1), 117-122
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Sex of host
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Sex of host
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Onchocerca volvulus, human, epidemiological survey, parasitological and clinical findings, age and sex specific prevalence rates, relation to rate of blindness: Bong Range, Liberia

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Sex of host
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toxoplasmosis, epidemiologic survey of Amerindian tribes in French Guiana, implication of wild animals used as food source as possible reservoir hosts

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human toxocariasis, prevalence survey of Toxocara spp. and other helminth ova in dogs and soil from city parks, larvae survival over winter months results in continuing contamination of soil and increasing public health problem: Montreal

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Sex of host
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human Trichinella spiralis, comprehensive resume of finding observed in 22 human infections (predominance of females, inverse relationship to alcoholic consumption, eosinophilia, changes in blood protein levels, metabolic activity of parasitized muscles, treatment with thiabendazole)

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health and nutrition survey of men doing heavy manual labor, mild anemia in group but hookworm and other parasites apparently noncontributory: Dumka region in Bihar and Garhwal, India

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Ornithonyssus sylviarum, chickens artificially selected for high or low levels of plasma corticosterone response to stress and housed to promote high or low levels of social interaction, effect on development of mite populations, host sex differences

Sex of host
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Haemobartonella felis and/or Eperythrozoon felis, feline infectious anaemia, relative risk according to age, sex and breed of cats, prior disease, seasonal occurrence, mortality, pattern of risk suggests horizontal transmission probably by direct contact

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Sex of host
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uncinariasis, children, epidemiologic and statistical survey: central Mexico

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Breinlia booliati, transmission to different strains of laboratory rats by various routes of inoculation, female rats more susceptible to infection than males, localization of adult worms in thoracic and abdominal cavities

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Sex of host
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Sex of host
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helminths of Rana temporaria, males generally more heavily infested than females: Macedonia

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statistical survey of potential hosts of Angiostrongylus cantonensis in Okinawa, implications for human public health

Sex of host
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statistical analysis of clinical records of 85 patients with hepatic amoebiasis abscesses: Santiago, Chile

Sex of host
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Nematospiroides dubius, course of primary and challenge infections in male and female Meriones unguiculatus, rate of establishment, morphology, sex ratio and distribution within host intestine, expulsion in primary infections, resistance to challenge infections, lactating jirds with depressed immunocompetence were significantly more susceptible to reinfection than nulliparous jirds of same age

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Sex of host
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Sex of host
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Trichomonas vaginalis in human males, comparison survey of symptomatic, contact and asymptomatic groups shows that infection rate highest in contact group and that prostatic fluid yields more positive results than sedimented urine

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night blood survey of 82 localities to establish distribution and prevalence of Wuchereria bancrofti in various parts of Liberia, humans

Sex of host
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Schistosoma mansoni, epidemiologic survey of 593 persons showed 4.7% infection rate with children most involved, main contamination area apparently ball field surrounded by ditches containing Biomphalaria glabrata vectors, preventive and control measures: Albina, Surinam

Sex of host
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Schistosoma mansoni in a defined population, patterns of prevalence, intensity, hepatomegaly and splenomegaly with respect to age and sex: Castro Alves, Bahia, Brazil

Sex of host
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Nematospiroides dubius, distribution within small intestine of mice up to 60 days post-infection, relation of establishment and pattern of distribution to host age and sex, degree of aggregation of worm populations with respect to host intestine and to each other

Sex of host
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Marsipometra hastata, Marsipometra parva, higher intensity of infection in female paddlefish (Polyodon spathula) due to their larger size and greater food intake: Yellowstone River near Intake, Montana

Sex of host
Lolic, M.; et al., 1975, Bol. Chileno Parasitol., v. 30 (3-4), 50-53
Pediculus humanus capitis, scabies, prevalence survey in schoolchildren, suggested measures for control: Santiago, Chile

Sex of host
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Grillotia erinaceus plerocercoids, haddock, cod, saithe, incidence and intensity increased with host age, no host sex difference in incidence, proportions of parasite maturity stages consistent between haddock length groups, distribution in gut of hosts, speculation on life cycle, Ouchterlony gel diffusion test (precipitin bands failed to develop)

Sex of host
McCullough, F. S.; and Magendantz, M., 1974, Ann. Trop. Med. and Parasitol., v. 68 (1), 69-80
Schistosoma mansoni, human, epidemiological survey, prevalence and egg output patterns, attempted correlation with age, sex, sector, socio-economic status, religion, occupation, and water supply, relative importance of Lake Victoria and several small streams in transmission, implications for control measures: Mwanza, Tanzania

Sex of host
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intestinal helminths of Raja naevus, incidence, intensity, pattern of infection with host age and sex, geographical differences in composition of parasite burden: British waters

Sex of host
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Taenia taeniaeformis (Cysticercus fasciolaris), mice, antibodies and complement as factors influencing susceptibility/resistance; markedly increased susceptibility of certain complement-deficient mouse strains (in particular, males), of hypothymic mice, and of cyclophosphamide-treated mice; impressive protective activity of immune serum

Sex of host
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Sex of host
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epidemiologic survey of human intestinal parasites in Khorasan Province, Iran and comparisons with previous survey areas

Sex of host
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epidemiology and household distribution of seroreactivity to Trypanosoma cruzi in defined rural population in endemic area, analysis of seropositivity with age and sex of host and possible correlations with immunologic factors: Brazil

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prevalence and incidence of Schistosoma nasale in cattle and buffaloes, disease dependent upon host age and sex, number of infected snail intermediate hosts, temperature, and rainfall: Karnataka State (Dhanayakanapura, Bangalore District; Hunchipura, Mandya District)

Sex of host
Muzzall, P. M.; and Rabalais, F. C., 1975, Proc. Helminth. Soc. Washington, v. 42 (1), 35-38
Acanthocephalus jacksoni cystacanths, sex, position, and orientation in Lirceus lineatus, host pigmentation, sex, size, and gut content, possible sterility in host females; precocious development and marked sexual dimorphism in cystacanths: Jackson Cutoff

Sex of host
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Toxoplasma gondii, epidemiologic survey of Marocaine population using immunofluorescence: Maroc

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Parafilaria bovicola of cattle, potential fly vectors as determined by field collections and laboratory studies, seasonal variation in rates of infection in flies, only female flies were infected: Transvaal

Sex of host
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review of clinical findings in 24 cases of human hepatic amoebic abscess: India

Sex of host
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Mesocestoides corti in gonadectomized mice, markedly increased number of polycephalic tetrathyridia present in 150-day-old intraperitoneal larval populations, effect most pronounced in male hosts and in both sexes inversely correlated with size of populations

Sex of host
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Plasmodium vivax, P. falciparum, human, analysis of clinical and laboratory findings of 1000 cases, need for diagnostic awareness and repeated blood smears in endemic areas: Malaysia

Sex of host
Onuigbo, W. I. B., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 708-709
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Sex of host
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serum IgE concentrations and immediate skin hypersensitivity to common allergens analyzed with respect to ethnic group (whites, Cape Coloreds, Africans), sex, allergic status, and evidence of intestinal helminthic infestation: Western Cape Province, South Africa

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Poecilancistrium caryophyllum in Cynoscion nebulosus, seasonal incidence and intensity, relation of infections to salinity and temperature of water, host length and host sex, common infection sites, effect of plerocercoids on host, possible immune response: Gulf of Mexico

Sex of host
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Leishmania donovani, statistics of leishmanin skin test survey of old endemic focus and new outbreak area of human Mediterranean leishmaniasis, useful tool for epidemiologic studies: Italy

Sex of host
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Onchocerca volvulus, human, microfilaruria in relation to age and sex of host, other filarial diseases, geographic region, cutaneous microfilarial densities, albuminuria during suramin treatment, eggs of Schistosoma haematobium in urine, and diethylcarbamazine chemotherapy

Sex of host
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helminths of frogs, comparison of aquatic and terrestrial hosts, relation of parasite fauna to environment, food supplies and food habits, host life cycle, temperature, rainfall, season, age and sex of host, competition between species of parasite, localization within host: Kampinos National Park, Poland

Sex of host
Przyjalkowski, Z.; and Wescott, R. B., 1970, Acta Parasitol. Polon., v. 17 (20-38), 265-269
Nippostrongylus brasiliensis, conventional and germfree mice, some with monocultures of three species of bacteria, differential leucocyte counts, packed cell volume; higher worm burdens in male mice and in conventional mice, little differences in blood values

Sex of host
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Wuchereria bancrofti, statistical epidemiologic survey on microfilaremia (seasonal fluctuation of infection in Culex pipiens fatigans vectors, localization in vectors, human infection by age and sex, microfilarial periodicity, percentage of night biting, experimental laboratory infections): Pondicherry, India

Sex of host
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survey of workers on rubber plantation for evidence of Brugia malayi filariasis: Negeri Sembilan, West Malaysia

Sex of host
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Echinococcus granulosus, statistical survey of human cases of echinococcosis registered from 1970-1974 in Chile

Sex of host
Rasin, K.; and Kovarik, K., 1973, Vet. Med., Praha, v. 46, v. 18 (10), 625-631
Toxoplasma, incidence in guinea pigs shown by complement fixation test, incidence by sex; isolation of 31 strains, low pathogenicity for mice

Sex of host
Reisen, W. K.; Kennedy, M. L.; and Reisen, N. T., 1976, J. Parasitol., v. 62 (4), 628-635
winter ecology of ectoparasites collected from hibernating Myotis velifer (incidence, intensity, monthly changes, parasite and host sex ratio, interspecific associations, parasite age structure, etc.): Harmon County, southwestern Oklahoma

Sex of host
Rifaat, M. A.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (3), 67-70
seroepidemiolgoic survey of stray cats for Toxoplasma gondii antibodies and role in epidemiology of human infection, no cross-immunity with Isospora spp. in relationship study, high percentage of cats surveyed shedding oocysts in feces: Cairo, Egypt

Sex of host
Ringelhann, B.; et al., 1976, Am. J. Hum. Genet., v. 28 (3), 270-279
possible relationships between hemoglobin types and human malarial infection rate, parasite species, parasite density, host age and sex; correlations with transplacental and passive immunity

Sex of host
Rougemont, A.; et al., 1974, Medecine Trop., v. 34 (1), 29-36
prevalence of intestinal helminths in adult population of 3 native villages, usefulness of Kato "thick smear" technique for mass epidemiologic surveys (Hymenolepis nana; Trichuris trichiura; Ascaris lumbricoides; Enterobius vermicularis; Schistosoma mansoni): all from Bamako area, Mali

Sex of host
Ruiz-Tiben, E.; Cox, P. M.; and Greenberg, E. R., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 341-348
Schistosoma mansoni, human, skin test interpretation, derivation of simplified objective criteria based upon frequency distributions of antigen and control wheal sizes by age and sex: Puerto Rico

Sex of host
Sakurai, Y.; et al., 1976, Nippon Zyuisi-Kai Zassi (J. Japan Vet. Med. Ass.), v. 29 (6), 316-319
Toxoplasma gondii, survey on hemagglutination antibody in cats, breed or sex not significant in rate of positive reaction; high positive rate in cats from vicinity of piggery or slaughterhouse: Tohoku district

Sex of host
Saoud, M. F. A.; and Ramadan, M. M., 1976, Ztschr. Parasitenk., v. 51 (1), 37-47
helminth parasites of bats, relationships among and within groups of helminths, effect of host sex and diet: Egypt

Sex of host
Schacher, J. F.; et al., 1973, Ann. Trop. Med. and Parasitol., v. 67 (1), 81-94
Brugia pahangi, dogs, lymphographic studies at various intervals after infection up to 18 months, lymphatic system of male animals less able to accommodate to filarial insult than that of females

Sex of host
Schantz, P. M.; et al., 1976, Tropenmed. u. Parasitol., v. 27 (1), 70-78
significance of infectivity survey of domestic animals and wild carnivores as potential reservoir hosts of Echinococcus granulosus in Argentina, host-induced morphologic variations

Sex of host
Schenone, H.; et al., 1972, Bol. Chileno Parasitol., v. 27 (3-4), 103-107
Trichinella spiralis, humans, prevalence survey, evidence of increasing infection: Chile

Sex of host
Schenone, H.; et al., 1973, Bol. Chileno Parasitol., v. 28 (1-2), 31-33
Pediculus humanus capitis, statistics of human infestation, lindane treatment unsuccessful, personal hygiene more important: Chile

Sex of host
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survey of helminths in [Cervus elaphus], comments on incidence in relation to season and age and sex of host: Nationalpark Bayerischer Wald

Sex of host
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statistics of prevalence survey of human cutaneous leishmaniasis in Bisha region, Saudi Arabia

Sex of host
von Seyerl, F.; and Brunner, S., 1972, Munchen. Med. Wchnschr., v. 114 (39), 1641-1642
human acquired toxoplasmosis, statistics of lymphatic system involvement

Sex of host
Shepherd, R. C. H.; and Edmonds, J. W., 1977, J. Austral. Entom. Soc., v. 16 (3), 237-244
Leporacarus gibbus, Cheyletiella parasitivorax, and Haemodipsus ventricosus on Oryctolagus cuniculus, infestation rates, seasonal variation, sex ratios of Leporacarus gibbus, age and sex of host: Victoria

Sex of host
Siongok, T. K. A.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (2), 273-284
Schistosoma mansoni, cross-sectional study of entire community in endemic area, prevalence and intensity of infection (as determined by quantitative egg counts) correlated with morbidity (as determined by standard medical examination): village of lower Nduu, Machakos, Kenya

Sex of host
Slonka, G. F.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 739-743
Pediculus humanus capitis, outbreak in schoolchildren, epidemiology, recommendations for control: Georgia

Sex of host
Slonka, G. F.; et al., 1977, J. Parasitol., v. 63 (2), 377-383
Pediculus humanus capitis, human, epidemic in public schools, sex, age, race, socioeconomic status, crowding, method of closeting garments, and family size influenced distribution of pediculosis but hair length apparently was not a factor, poverty and ignorance appeared to contribute to persistence of infestation: Buffalo, New York

Sex of host
Sornmani, S.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 365-374
Schistosoma japonica, extensive epidemiologic survey of endemic area of Khong Island, lower Mekong Basin, Southern Laos

Sex of host
Sornmani, S.; Vivatanasesth, P.; and Thirachantra, S., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 270-281
human Mekong schistosomiasis, clinical aspects, pathologic findings, age and sex factors: Khong Island, Southern Laos

Sex of host
Stannard, A. A.; and Cello, R. M., 1975, Am. J. Vet. Research, v. 36 (7), 1029-1031
Onchocerca cervicalis, horses, prevalence, more common in older animals, occurred in both sexes equally, distribution and concentration of microfilariae within skin, cutaneous pathologic changes, invasion of eye with microfilariae in 60% of cases

Sex of host
Straka, S.; et al., 1977, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 26 (1), 52-60
tapeworms, human, epidemiological analysis, geographical distribution, sex, age, social structure, occupation and clinical symptoms; transmission by raw meat, efficacy of anthelmintics: Slovak Socialist Republic

Sex of host
Subiabre, V.; et al., 1976, Bol. Chileno Parasitol., v. 31 (1-2), 44-45
Trichomonas vaginalis diagnosed in apparently healthy males by smears of urine sediment, prevalence survey: Chile

Sex of host
Sucharit, S.; and Macdonald, W. W., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 71-77
Brugia pahangi, rats (exper.), selection program in which rats susceptible to infection were selectively bred, increase in microfilaria rate by F4 generation, resistance to infection in older male rats seemed to be reduced

Sex of host
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Dirofilaria immitis in house dogs, prevalence survey for microfilariae in peripheral blood: Omura City, Japan

Sex of host
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statistical survey for prevalence of Toxoplasma gondii antibodies in inhabitants of West Malaysia

Sex of host
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Neascus rhinichthysi infesting Rhinichthys atratulus subspp., incidence and intensity, age and sex of host: West Virginia

Sex of host
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extensive survey of human serum for presence of antibodies to Toxoplasma gondii and observations on probable epidemiology: Canada

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Trichostrongylus spp. survey in humans, morphological differentiation for diagnosis: Chile

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Brugia pahangi, development in male Aedes aegypti of 'refractory' genotype, females remained refractory even when larvae were introduced by inoculation

Sex of host
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parasites of Anas crecca and A. discors, incidence and intensity, age and sex of host: eastern Canada

Sex of host
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Schistosoma mansoni, human, simple standardized hatching test used to estimate egg hatching rate in relation to host age, sex, and intensity of infection, implications for epidemiology and for use in assessing drug efficacy: St. Lucia, West Indies

Sex of host
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Anaplasma marginale, cattle, prevalence with respect to breed, sex, age, management practices, and ecologic factors: Northern California

Sex of host
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Stichorchis subtriquetus, Travassosius rufus, incidence in relation to sex and age of host, [Castor fiber]: Middle Dnieper area

Sex of host
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Wuchereria bancrofti, epidemiological survey, microfilaremia rates, distribution by age, sex, and race, public health importance, larvae found in Culex pipiens fatigans: Puerto Limon, Costa Rica

Sex of host
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bancroftian filariasis, humans, extensive prevalence survey of adult males for microfilaremia and pathologic evidence of infection: Coast Province, Kenya

Sex of host
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human Schistosoma haematobium, statistics of epidemiologic survey for prevalence and intensity of infection in native community in laterite plateau area of McCarthy Island Division, The Gambia

Sex of host
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onchocerciasis, human, prevalence, age and sex rates, microfilaremia, subcutaneous nodules, symptoms, skin changes, visual acuity, corneal opacities, hemoglobin genotype, entomology: Ibarapa, Western State, Nigeria

Sex of host
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Dientamoeba fragilis in humans, extensive epidemiologic survey, pathology, fecal examination diagnostic methods, periodicity, frequent occurrence in presence of Enterobius vermicularis suggests possibility of helminths as vectors: Toronto, Canada

Sex of host
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epidemiologic characteristics of human eosinophilic meningitis and meningoencephalitis probably caused by Angiostrongylus cantonensis being inadvertently ingested during preparation of snails for consumption: Taiwan

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Sex of host
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human, incidence of enteroparasites, overall incidence by age and sex, comparison of agricultural settlement in Ribeira river valley with Foz do Iguacu, Morretes and Lapa: state of Parana

Sex of parasite
Agrawal, M. C.; and Dutt, S. C., 1976, Indian Vet. J., v. 53 (6), 475-476
Stephanofilaria zaheeri, buffaloes (ears), predominance of male adult worms: Jabalpur City abattoir

Sex of parasite
Ambroise-Thomas, P.; and Andrews, P., 1976, Tropenmed. u. Parasitol., v. 27 (4), 483-488
Schistosoma mansoni, mice, development of fluorescent antibodies directed against larval stages, eggs, and adults, stronger serologic reaction in bisexual vs. unisexual infections, anti-male antibodies present in higher concentration than anti-female antibodies

Sex of parasite
Amin, O. M.; and Madbouly, M. H., 1973, J. Med. Entom., v. 10 (3), 295-298
Rhipicephalus sanguineus, Hippobosca longipennis, Heterodoxus spiniger on Canis familiaris, geographic distribution, seasonal variance, climate, sex ratio of parasites: Egypt

Sex of parasite
Amin, O. M.; and Sewell, R. G., 1977, Am. Midland Nat., v. 98 (1), 207-212
Orchopeas h. howardii, Megabothris acerbus, numerical and structural variations of pronotal spines; field sex ratios of both flea species were closely related to the ratio of mean number of pronotal spines in females/males which supports proposed function of pronotal combs in locking onto host hairs and their suggested contribution in affecting sex ratio

Sex of parasite
Aminzhanov, M., 1975, Uzbek. Biol. Zhurnal (4), 48-50
Echinococcus granulosus, infectivity to dogs, length of infection, sex of parasites

Sex of parasite
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Ascaris lumbricoides, statistics of epidemiologic survey and mass therapy using pyrantel pamoate in 6 rural villages in central Iran

Sex of parasite
Belopol'skaia, M. M., 1970, Parazitologiia, Leningrad, v. 4 (3), 201-209
Wardium amphitricha, formation of strobila, degree of development of female and male gonads, possible transition to dioecism

Sex of parasite
Buerger, H. J., 1976, Zentralbl. Vet.-Med., Reihe B, v. 23 (8), 678-697
Trichinella spiralis, rats, mechanism of immune elimination, dose of infection and sex of rats affected time of onset of worm expulsion; number of female trichinellae decreased earlier than number of male worms

Sex of parasite
Cabrera, B. D.; Arambulo, P. V. III; and Portillo, G. P., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 510-518
human ascariasis, statistical epidemiologic survey and development of working model for control and/or eradication of infection using a rural community in the Philippines

Sex of parasite
Chamberlain, W. F., 1977, Southwest. Entom., v. 2 (1), 11-15
Haematobia irritans, elemental composition of strontium, magnesium, manganese, and zinc in flies from several geographic areas and cultural conditions, higher levels of elements in females than in males, atomic absorption spectroscopy, possible relationships to source of flies

Sex of parasite
Chandrasoma, P. T.; and Mendis, K. N., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 644-649
Enterobius vermicularis in humans, case reports of parasite migration to ectopic sites with resulting granulomata and accompanying pathology, sex of parasite, relationship to area of migration

Sex of parasite
Charnov, E. L.; and Bull, J., 1977, Nature, London (5605), v. 266, 828-830
environmental sex determination, hypothesis with mention of Mermithidae and parasitic copepods as examples

Sex of parasite
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Schistosoma mansoni, female golden hamsters, oestrogen reduces intensity of infection but does not change sex ratio of worms

Sex of parasite
Crystal, M. M., 1977, Ann. Entom. Soc. Am., v. 70 (5), 702-706
Cochliomyia hominivorax, fly vigor measured by the flight mill technique, flight performance greater in females than males, linear correlation between age of flies and percentage of individuals with partial or complete loss of wings

Sex of parasite
Daskalov, P.; Komandarev, S.; and Mikhov, L., 1972, Izvest. Tsentr. Khelmint. Lab., v. 15, 57-67
Haemonchus contortus, males and three morphological types of females, comparison of protein fractions by disc electrophoresis in polyacrylamide gel, differences found between sexes but none between types of females

Sex of parasite
  Diesfeld, H. J.; and Kirsten, C., 1975, Tropenmed. und Parasitol., v. 26 (4), 499-502
    Dipetalonema vitae, localization of antigen-antibody reactions in male and female using immunofluorescence and serum from human filariasis patients; possible implications for diagnosis of human infection

Sex of parasite
  Estudillo C., J. J., 1976, Veterinaria, Mexico, v. 7 (1), 15-16
    Metastrongylus apri, M. pudendotectus, pigs (lungs), sex ratio, role of earthworm intermediate host in parasite prevalence and distribution: slaughterhouse in Veracruz, Mexico

Sex of parasite
  Eure, H., 1976, Parasitology, v. 73 (3), 355-370
    Neoechinorhynchus cylindratus in Micropterus salmoides, seasonal periodicity (attempt to determine effects of water temperature, seasonally related host feeding habits, availability of infected intermediate hosts, host's sex and age, host location within reservoir), attempted analyses of parasite recruitment rate, maturation cycle, and sex ratio: heated reservoir (Par Pond), Energy Research and Development Administration's Savannah River Plant, Aiken, South Carolina

Sex of parasite
  Fox, J. C., 1976, Vet. Parasitol., v. 1 (3), 209-220
    Obeliscoides cuniculi, inhibited development in rabbits: effects of active and passive immunization and resumption of larval development (fewer males developed than females), data indicate that host immune responses contribute to inhibition and that worm egg production is also responsive to immunologic control

Sex of parasite
  Frandsen, F., 1977, J. Helminth., v. 51 (1), 5-10
    Schistosoma intercalatum, production of male and female cercariae in Bulinus spp. with unimiracidial infections, infection rate in mice infected with cercariae of one sex

Sex of parasite
  Ghadirian, E.; and Arfaa, F., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 935-941
    Trichostrongylus spp., man and domestic animals, present status in Iran, means of transmission

Sex of parasite
  Guimaraes, M. P.; et al., 1976, Arq. Escola Vet. Univ. Fed. Minas Gerais, v. 28 (1), 9-15
    nematode parasitism, calves (Holstein x Zebu), female to male ratio of worms, higher number of females: State of Minas Gerais, Brazil

Sex of parasite
  Guptavanij, P.; Harinasuta, C.; and Vutikes, S., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 95-98 [Demonstration]
    Brugia malayi, comparative measurements of male and female worms recovered from infected cat (exper.) (lymph glands)

Sex of parasite
  Holdstock, R. P., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 9 [Demonstration]
    Dipetalonema viteae, Mastomys natalensis a successful exper. host with patent infections established in mature males and immature males and females, periodicity, parasite localization, peripheral microfilaremia in relation to presence of female worms

Sex of parasite
  Jakutowicz, K.; and Korpaczewska, W., 1976, Bull. Acad. Polon. Sc., Cl. II., s. Sc. Biol., v. 24 (12), 757-758
    Dioecocestus asper, concentrations of trace elements (Mn, Na, Zn, Co, Ag, U, and Ba) in male vs. female worms

Sex of parasite
  Jenkins, D. C., 1977, Exper. Parasitol., v. 41 (2), 335-340
    Nematospiroides dubius, course of primary and challenge infections in male and female Meriones unguiculatus, rate of establishment, morphology, sex ratio and distribution within host intestine, expulsion in primary infections, resistance to challenge infections, lactating jirds with depressed immunocompetence were significantly more susceptible to reinfection than nulliparous jirds of same age

Sex of parasite
  Kabil, S. M., 1976, J. Trop. Med. and Hyg., v. 79 (9), 205-206
    Schistosoma mansoni adult female, mouse (exper.) host complement detected in parasite tegument

Sex of parasite
  Kabil, S. M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 283 [Demonstration]
    Schistosoma mansoni, host complement in tegument of female schistosomes, possible role in protection against host immunological attacks

Sex of parasite
  Kaufman, W. R.; Diehl, P. A.; and Aeschlimann, A. A., 1976, Experientia, v. 32 (8), 986-987
    Amblyomma hebraeum, increased Na, K-ATPase activity in salivary glands of feeding females, no activity changes in feeding males

Sex of parasite
  Kuntz, R. E.; et al., 1976, J. Parasitol., v. 62 (1), 63-69
    Schistosoma haematobium, specimens prepared by critical point drying technique, scanning electron microscopy of integumental surfaces, differences between sexes and different parts of the same parasite

Sex of parasite
  Lang, J. D., 1977, J. N. York Entom. Soc., v. 84 (4), 1976, 243-245
    Pediculus humanus capitis, sex ratio in natural and reared populations, females not significantly reduced under crowded conditions; shorter longevity in newly emerged females isolated with males attributed to their not being fully sclerotized prior to copulating, not the result of frequent copulations by males

Sex of parasite
Lee, E.-H.; Remmler, O.; and Fernando, M. A., 1977, J. Parasitol., v. 63 (1), 155-156
Eimeria tenella, results of single sporocyst infections suggest that sporozoites are sexually undifferentiated

Sex of parasite
Meyers, W. M.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1153-1155
Dipetalonema streptocerca, identifying features of adult male worms excised from human dermal collagen during skin biopsies of patients after treatment for streptocerciasis: Bolonga-Scieurs, Equator Region, Republic of Zaire

Sex of parasite
Mittal, O. P.; and Brar, B. K., 1976, Cytobios (61), v. 16, 7-12
Cimex lectularius, chromosome complement, special reference to sex-determination: Puranmal Dharmshala, Simla

Sex of parasite
Muzzall, P. M.; and Rabalais, F. C., 1975, Proc. Helminth. Soc. Washington, v. 42 (1), 35-38
Acanthocephalus jacksoni cystacanths, sex, position, and orientation in Lirceus lineatus, host pigmentation, sex, size, and gut content, possible sterility in host females; precocious development and marked sexual dimorphism in cystacanths: Jackson Cutoff

Sex of parasite
Norval, R. A. I., 1975, J. Parasitol., v. 61 (4), 730-736
Haemaphysalis silacea, ecology: habitat preferences, distribution in relation to microclimatic conditions, seasonal activity, seasonal occurrence on hosts, sex ratio of ticks, host/tick interactions as result of host daily movements and feeding habits, site of attachment: Paardekraal Farm, Kowie River Valley, 15 km SE of Grahamstown, Eastern Cape Province, South Africa

Sex of parasite
Oliver, J. H., jr.; and Herrin, C. S., 1976, J. Parasitol., v. 62 (3), 475-484
Haemaphysalis longicornis, differential morphological variation in relation to reproduction method (bisexual vs. parthenogenetic), sex, and chromosomal ploidy level

Sex of parasite
Petersen, J. J., 1973, J. Med. Entom., v. 10 (1), 75-79
Reesimermis nielseni, mass production using Culex pipiens quinquefasciatus, effects of host density, parasite-host ratio, and amount of food fed to host on percentage of parasitism and female nemas produced

Sex of parasite
Pfefferkorn, E. R.; Pfefferkorn, L. C.; and Colby, E. D., 1977, J. Parasitol., v. 63 (1), 158-159
Toxoplasma gondii, development of gametes and oocysts in cats fed cysts derived from cloned trophozoites, results suggest that genome of each T. gondii contains genetic potential for production of both macro- and micro-gametes

Sex of parasite
Poirot, J. L.; et al., 1976, Ann. Parasitol., v. 51 (4), 447-452
Trichinella spiralis, mice, effect of cyclophosphamide treatment on parasite sex ratio and survival, transplantation of 18-day old worms from treated vs. untreated into treated vs. untreated mice

Sex of parasite
Premvati, G.; and Chopra, A. K., 1977, Indian J. Zoot., v. 16 (1), 1975, 1-5
Nippostrongylus brasiliensis, infective larvae exposed to various doses of ultraviolet rays, development, sex ratio of adult worms, no resistance in rats challenged with lethal dose of untreated larvae subsequent to lethal dose of irradiated larvae

Sex of parasite
Reisen, W. K.; Kennedy, M. L.; and Reisen, N. T., 1976, J. Parasitol., v. 62 (4), 628-635
winter ecology of ectoparasites collected from hibernating Myotis velifer (incidence, intensity, monthly changes, parasite and host sex ratio, interspecific associations, parasite age structure, etc.): Harmon County, southwestern Oklahoma

Sex of parasite
Robertson, A. S.; et al., 1975, J. Med. Entom., v. 12 (5), 525-529
Amblyomma americanum, unfed male and female adults, daily and seasonal behavior in relation to temperature, humidity, and photoperiod in different habitats, behavioral patterns suggest activity regulation by body water content: Cookson Hills State Game Refuge, Cherokee County, Oklahoma

Sex of parasite
Ross, G. C., 1976, Comp. Biochem. and Physiol., v. 55 (3B), 343-346
Schistosoma spp., isoenzymes, lactate dehydrogenase, malate dehydrogenase, acid phosphatase, isoelectric focusing in polyacrylamide gel, possible applications in taxonomy and diagnosis, factors considered in assessing results (include age and sex of parasite, host relationships, etc.)

Sex of parasite
Rowntree, S.; and James, C., 1977, J. Helminth., v. 51 (1), 69-70
Schistosoma mansoni, comparison of infectivity of male vs. female cercariae, concluded that male parasite is stronger than female

Sex of parasite
Ruppel, A.; and Cioli, D., 1977, Parasitology, v. 75 (3), 339-343
Schistosoma mansoni, protein composition of various developmental stages compared by electrophoresis in polyacrylamide slab gels, high degree of identity between protein patterns obtained from immature and adult parasites of the two sexes, some stage- and sex-specific components were identified

Sex of parasite
Sahba, G. H.; and Malek, E. A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 331-333
Schistosoma haematobium, comparison of extent of development and size of parasites in unisexual and bisexual infections, frequency of single sex male and female infections and level of maturity reached by female in absence of male

Sex of parasite
Sanchez Rasero, F., 1973, Rev. Iber. Parasitol., v. 33 (1), 65-79
Ascaris lumbricoides var. suum, determination of DNA and RNA, factors in technique affecting values; values for whole worms, males and females, various organs and tissues

Sex of parasite
Schulz-Key, H., 1975, Tropenmed. u. Parasitol., v. 26 (1), 60-69
Onchocerca flexuosa, development of nodules on hide of Cervus elaphus, relationship to age and sex of parasites, parasitic reproduction within nodules

Sex of parasite
Setasuban, P.; and Arundel, J. H., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (1), 102-105
Hypodontus macropi, morphometric data, comparison of statistics of males and females, scanning electron microscopy: Tasmania, Australia

Sex of parasite
Shirley, M. W.; and Millard, B. J., 1976, Parasitology, v. 73 (3), 337-341
Eimeria tenella, single sporozoite infections in chicken embryos, results demonstrate bisexual nature of sporozoite, suggest that sexual differentiation is influenced by environmental factors, and show that true clones of Eimeria can be established from individual sporozoites

Sex of parasite
Singhvi, A.; and Johnson, S., 1977, J. Parasitol., v. 63 (5), 858-860
Aspiculuris ratti, Syphacia muris, female to male ratio of nematodes in concurrent infections in Rattus rattus, no significant correlation with worm burden, possible explanations

Sex of parasite
Singotam, L.; and Dass, C. M. S., 1977, Indian J. Exper. Biol., v. 15 (9), 719-727
Grebneckiella pixellae, scanning electron microscopy of various life cycle stages reveals: epimerite as attachment organ to host gut epithelium, epicytic folds of body wall at various regions of trophozoite, changes in body folds during gamont formation and sexual dimorphism, syzygy, gamete formation, spore structure, possible role of epicytic folds in gregarine movement and absorption of nutrients

Sex of parasite
Spaldonova, R.; and Corba, J., 1977, Biologia, Bratislava, s. B, Zool. (4), v. 32 (11), 855-860
Trichinella spiralis, intestinal stages, mice, efficacy of cambendazole, decreases as worms mature, females more susceptible

Sex of parasite
Spicka, E. J., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 418-422
Psorergates simplex, sex ratio and stages found

Sex of parasite
Stoimenov, K., 1976, Vet. Med. Nauki, v. 13 (7), 48-54
Heterakis gallinarum, chickens, parasite survival rate and pathogenicity increased by lower dose of infection and in 3-4 month old hosts; effects of blood factors; more female worms in older birds

Sex of parasite
Tomanek, J., 1974, Acta Vet. Brno, v. 43 (1), 47-52
guinea-pigs orally infected with irradiated and non-irradiated Dictyocaulus filaria larvae, development of resulting larvae recovered from lungs; decreased larval counts with increased X-ray exposure, greater survival of female worms, implications for use in immunization

Sex of parasite
Triantaphyllou, A. C.; and Moncol, D. J., 1977, J. Parasitol., v. 63 (6), 961-973
Strongyloides ransomi, S. papillosus, chromosomal complement, gametogenesis, mode of reproduction, sex determination, hybridization tests

Sex of parasite
Uchikawa, K., 1975, Eisei Dobutsu (Japan. J. San. Zool.), v. 26 (4), 207-212
Argas japonicus, biological data, laboratory reared on chickens, development, idiosomal lengths in various stages, age composition, sex ratio, size distribution

Sex of parasite
Uglem, G. L.; and Read, C. P., 1975, J. Parasitol., v. 61 (3), 390-397
Schistosoma mansoni, adults, mechanisms of sugar transport and metabolism, differences in males, females, and pairs

Sex of parasite
Woolhouse, N. M.; and Kaye, B., 1977, Parasitology, v. 75 (1), 111-118
Schistosoma mansoni, uptake and retention of oxamniquine and its metabolites by both sexes of worm following single oral or intramuscular dose in mice, and in vitro

Sex of parasite
van Wyk, J. A.; van Rensburg, L. J.; and Heitmann, L. P., 1976, Onderstepoort J. Vet. Research, v. 43 (2), 43-54
Schistosoma mattheei, Merino and Dorper sheep (exper.), influence of host age and breed on infestation (host susceptibility, cercarial penetration and development to adults, distribution of worms in host, worm sex ratio, egg excretion); variation in cercarial infectivity

Seychelles Islands
Lambrecht, F. L., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (2), 222-232
Wuchereria bancrofti, statistics of epidemiologic survey of periodic-nocturnal infections present in island natives, Culex pipiens fatigans established as the main and possibly only vector: Seychelles Islands

Siberia. See Russia.

Silage
Waldeland, H., 1977, Acta Vet. Scand., v. 18 (1), 91-97
Toxoplasma gondii, sheep flocks, reproductive loss in specific age groups, apparently no transmission between sheep, probably transmitted by silage

Silage
Wikerhauser, T., 1977, Bull. Acad. Vet. France, v. 50 (2), 233-236
Taenia saginata, control by disinfecting premises and ensilage and grass from infected pastures with halamid as ovicide; chemotherapy and vaccination are presently impractical forms of control

Simultaneous infections. See Mixed infections.

Singapore
Harinasuta, T.; Gilles, H. M.; and Sandosham, A. A. [Editors], 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (4), 641-678
human malaria in southeast Asia, scientific group meeting with discussion on: epidemiology, clinical features, pathophysiology, genetic factors, immunology, diagnosis, chemotherapy, control measures

Singapore
Kan, S. P.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (2), 190-195
prevalence survey of helminthic infections carried out in children and adults admitted to the Outram Road General Hospital in Singapore
(Ascaris lumbricoides; Trichuris trichiura; hookworm, mainly Necator americanus; Strongyloides stercoralis)

Singapore
Lim, C., 1973, Singapore J. Primary Indust., v. 1 (1), 7-11
gastrointestinal parasites, pigs (feces), survey
(Balantidium coli; Coccidia; Ascaris suum; Metastrongylus sp.; Strongyles; Strongyloides sp.; Trichuris suis)

Singapore
Lim, C., 1973, Singapore J. Primary Indust., v. 1 (2), 75-86
alimentary and respiratory tract parasites, pigs (feces), incidence in 3 age groups, intensity of infection, clinical findings, treatment
(Strongyloides; Metastrongylus; Trichuris; Coccidia; Spirurid[a sp.]; Oesophagostomum spp.; Balantidium; Ascaris; Gnathostoma): ten Singapore Veterinary Extension Centres

Skeleton. See Bones; Musculoskeletal system.

Skin. [See also Dermatitis; Integument]

Skin
Allen, J. R.; Doube, B. M.; and Kemp, D. H., 1977, Canad. J. Comp. Med., v. 41 (1), 26-35
Ixodes holocyclus, cattle, histology of skin lesions, attachment of female ticks, primary, secondary and subsequent infestations

Skin
Alvarado Cerna, R., 1973, Prensa Med. Mexicana, v. 38 (5-6), 153-158
Entamoeba histolytica, human invasive cutaneous forms, clinical aspects, pathology, case reports

Skin
Alvarez Chacon, R., 1975, Mod. Problems Paediat., v. 17, 259-261
Entamoeba histolytica, 4-month-old child with genital cutaneous amoebiasis following acute intestinal infection, case report, medical management: Mexico

Skin
Anderson, J.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 190-208
Onchocerca volvulus, survey of total population 5 years old and over in 22 village groups using standardized techniques to assess eye and skin lesions, comparison with persons not infected with onchocerciasis: United Cameroon Republic

Skin
Anderson, J.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 209-222
Onchocerca volvulus, survey of total populations aged 5 years and older in 16 villages of rain-forest and savanna zones, standard techniques used to assess intensity of infection, clinical manifestations; differences thought to be influenced by hormonal factors, strain pathogenicity, transmission patterns: United Cameroon Republic

Skin
Anderson, J.; Fuglsang, H.; and Marshall, T. F. de C., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 362-373
Onchocerca volvulus, comparative follow-up epidemiologic study of infected villagers from savannah and rain-forest areas, relationships between development of eye lesions and high concentrations of microfilariae in skin, particularly around shoulders, as well as eye, implications for prevention of blindness: Cameroon

Skin
Ayalew, L.; and Vaillancourt, M., 1976, Canad. Vet. J., v. 17 (7), 184-191
Cheyletiella yasguri, dogs, clinical findings, history, skin lesions in humans having direct contact with infected dogs: commercial kennel near Montreal

Skin
Bada, J. L., 1971, Med. Trop., Madrid, v. 47 (2), 124-133
clinical review of 100 cases of human cutaneous larva migrans, pathologic findings, body locations of lesions, medical management: Monrovia

Skin
Baker, K. P., 1975, Vet. Parasitol., v. 1 (2), 193-197
Demodex folliculorum, dogs, occasional development of hyperpigmentation of the skin, increased melanocyte activity in epidermis, adrenal cortical malfunction as possible cause

Skin
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Skin tests. See Immunity, Skin tests.

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Snail control
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Snail control
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Snail control
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Snail control
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Zonitidae snails in biological control of Lymnaea truncatula

Snail control
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Snail control
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Egyptian herbs screened for possible use as molluscicides against Bulinus and Biomphalaria snail vectors of human schistosomiasis

Snail control
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Sepedon spangleri, a snail-killing fly, laboratory trials testing ability to kill helminth vector snails of medical importance in Thailand

Snail control
Tanaka, H.; et al., 1976, Japan. J. Exper. Med., v. 46 (1), 31-35
migration of Oncomelania quadrasi vector snails of human Schistosoma japonicum, possible role in repopulation after employment of snail control measures: Leyte, Philippines

Snail control
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human schistosomiasis, population research on Oncomelania quadrasi vector snails for use in evaluating snail control measures: Leyte, Philippines

Snail control
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Fasciola hepatica, control of snail vector (Galba truncatula) by sprinkling pastures with copper sulphate, reduced the extensiveness of infection in cattle

Snail control
Toledo, J. V.; et al., 1976, Bull. World Health Organ., v. 54 (4), 421-425
Schistosoma mansoni, control of Biomphalaria spp. vector snails using slow-release hexabutyldistannoxane and pentachlorophenol, field trials: urban sites in Rio de Janeiro

Snail control
Uhrin, M. G.; Bendezu, P.; and Jobin, W. R., 1977, J. Agric. Univ. Puerto Rico, v. 61 (2), 230-233
refractivity of Marisa cornuarietis (biological control agent), Pomacea australis and Tarebia granifera (both potential biological control agents) to Schistosoma mansoni and Fasciola hepatica infections

Snail control
Upatham, E. S.; and Sturrock, R. F., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 85-93
preliminary trials using bayluscide in the control of Biomphalaria glabrata vector snails of human schistosomiasis: West Indies

Snail control
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human schistosomiasis, laboratory trials with new molluscicides (bark of Entada phasholoides and polynactin) for possible use against Oncomelania vector snails

Snail control
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Schistosoma japonicum in humans and domestic animals, epidemiology, control measures, geographic distribution in Japan and Far East

Snail control
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Schistosoma japonicum, humans, review of current control measures, including snail control with molluscicides: Japan

Sociology. [See also Epidemiology]

Sociology
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Schistosoma haematobium, statistics of epidemiologic survey of children from 6 months to 10 years of age for prevalence and morbidity of infections, comparison of 3 geographically different villages in the Giza governorate, Egypt

Sociology
Barry, C.; Ahmed, A.; and Khan, A. Q., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 592-597
statistics of prevalence and distribution survey of human Wuchereria bancrofti filariasis in East Pakistan, possible sociologic aspects affecting disease transmission

Sociology
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survey of intestinal parasites infecting Malay, Chinese and Indian schoolchildren and coordination with their various ethnic and social practices: Malaya

Sociology
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Onchocerca volvulus, relationship of prevalence of onchocerciasis and resulting blindness to abandonment of native villages, statistical survey of various geographic localities: Middle Hawal Valley, Nigeria

Sociology
Burridge, M. J.; and Schwabe, C. W., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 258-265
Echinococcus granulosus, dynamics of epidemiologic survey of Maori people, cultural and behavioral factors together with poor dog control result in higher incidence in Maoris than in non-Maoris: New Zealand

Sociology
de Carneri, I.; de Dominici, M.; and Carozzi, A., 1973, Riv. Parassitol., Roma, v. 34 (3), 213-218
Enterobius vermicularis, school children, incidence, no correlation with age or sex or infection with trichuriasis, some correlation with socio-economic status: Pavia Province, Italy

Sociology
Chen, P. C. Y., 1969, Med. J. Malaya, v. 23 (3), 159-168
survey of various methods used by rural households to dispose of human excreta, public health implications in spread of human helminths: Malaya

Sociology
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survey of rural Malay community for beliefs and practices regarding Ascaris lumbricoides infections, poor sanitation and tribal practices aid in spread of infections: Malaysia

Sociology
Hausfater, G.; and Watson, D. F., 1976, Nature, London (5570), v. 262, 688-689
emission of parasite ova (primarily Trichuris and Trichostrongylus) by Papio cynocephalus in relation to host social and reproductive condition, high-ranking adult males had higher egg emission than more subordinate individuals, sexually cycling females had higher emissions than anoestrous females

Sociology
Herrer, A.; Christensen, H. A.; and Beumer, R. J., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 67-71
Leishmania braziliensis, epidemiological description of incidental occurrence of cases in a non-endemic settlement, men and dogs apparently acquired infections while hunting in nearby forest which was an endemic focus, infection also found in Bradypus infuscatus, potential phlebotomine vectors collected: Majecito Arriba, Bayano basin, Panama

Sociology
Jones, H. I., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (4), 523-529
Ascaris lumbricoides, Necator americanus, Trichuris trichiura, statistical epidemiologic survey of human intestinal parasites with discussion of socio-cultural and environmental factors influencing spread of infections: Venilale District of East Timor

Sociology
McCullough, F. S.; and Magendantz, M., 1974, Ann. Trop. Med. and Parasitol., v. 68 (1), 69-80
Schistosoma mansoni, human, epidemiological survey, prevalence and egg output patterns, attempted correlation with age, sex, sector, socio-economic status, religion, occupation, and water supply, relative importance of Lake Victoria and several small streams in transmission, implications for control measures: Mwanza, Tanzania

Sociology
Mahfudin, H.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 173-178
human bancroftian filariasis, statistics of blood and clinical survey of Kepu District, relationship of habitat to infection rate: Central Jakarta, Indonesia

Sociology
Miller, M. J., 1974, Progr. Drug Research, v. 18, 225-237
Entamoeba histolytica, humans, extensive epidemiologic review of human amoebiasis with comparative study of environmental and sociologic factors of 2 Amerindian reservations one of which had a high prevalence of infection and the other none

Sociology
Nazarian, I.; and Tabatabai, M., 1973, Pahlavi Med. J., v. 4 (1), 47-52
Echinococcus granulosus, survey of prevalence in stray dogs, sociologic aspects, suggested control measures: Shiraz, Iran

Sociology
Nelson, G. S., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 109-122
human behavior in the transmission of parasitic diseases, review

Sociology
Oduntan, S. O., 1974, Ann. Trop. Med. and Parasitol., v. 68 (2), 157-166
intestinal parasites in children related to some environmental variables in their homes: Nigeria

Sociology
Penna, R.; and Grassi, L., 1972, Parassitologia, v. 14 (2-3), 339-341
T[richuris] trichiura, A[scaris] lumbricoides, H[ymenolepis] nana, survey of prevalence of geohelminthiasis in school children, helminthiasis related to socio-economic and hygienic conditions, not to scholastic achievement, prevalence higher in plain country than in mountain country: Province of Alesandria (Italy)

Sociology
Radford, A. J.; Van Leeuwen, H.; and Christian, S. H., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 11-23
changes in distribution and determinants of malaria that occurred with the development process in the highlands of Papua New Guinea between 1930 and 1970

Sociology
Schneider, C. R., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 155-166
Mekong schistosomiasis, current status of human infection, principal focus apparently ethnic Vietnamese fishermen who inhabit raft houses on the Mekong River at Kratie, Cambodia

Sociology
Shettigara, P. T.; Choi, N. W.; and Abu-Zeid, H. A. H., 1976, Am. J. Epidemiol., v. 104 (3), 340 [Abstract]
prevalence survey of prenatal sera for presence of Toxoplasma antibodies and correlation of findings with ethnic origins, socioeconomic status and climatic differences: Manitoba Province

Sociology
Slonka, G. F.; et al., 1977, J. Parasitol., v. 63 (2), 377-383
Pediculus humanus capitis, human, epidemic in public schools, sex, age, race, socioeconomic status, crowding, method of closeting garments, and family size influenced distribution of pediculosis but hair length apparently was not a factor, poverty and ignorance appeared to contribute to persistence of infestation: Buffalo, New York

Sociology
Voegtle-Junkert, U., 1975, Med. Klin., Berlin, v. 70 (47), 1920-1927
survey of helminth and protozoan parasites of foreign workers and comparison with findings in German citizens, review of symptoms and clinical management and prophylactic measures: Wurzburg

Sociology
Widmer, E. A., 1974, Med. Arts and Sc., v. 28 (3), 29-34
cultural habits of Masai tribes of East Africa as factors in the transmission of Echinococcus granulosus and Spirometra mansonoides

Sociology
Wijers, D. J. B.; and Kiilu, G., 1977, Ann. Trop. Med. and Parasitol., v. 71 (3), 347-359
Wuchereria bancrofti, humans, extensive entomological survey comparing 2 geographically different sites for prevalence of infected mosquito vectors, correlations with seasons and socio-economic status of natives

Soil. [See also Disease transmission, Soil]

Soil
Artz, V., 1975, Entom. Germanica, v. 1 (2), 105-143
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates: Schleswig-Holstein

Soil
Barrett, R. A.; and Alexander, M., 1977, Applied and Environment. Microbiol., v. 33 (3), 670-674
Acanthamoeba, susceptibility of cysts to microbial and enzymatic degradation in soil and in vitro

Soil
Kinoti, G. K., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 637-645
Schistosoma haematobium in humans, epidemiologic and vector survey, low prevalence attributed to absence of vector snails (unfavorable soil conditions); S. bovis also present in area and transmitted there by Bulinus nasutus: Kano Plain of Kenya

Soil
Wilkinson, P. R., 1971, Acarologia, v. 12 (3), 492-508
Boophilus microplus, factors affecting distribution in RTS (reputed tick scarcity) areas as compared to tick infested areas in surrounding districts: Australia

Solomon Islands
de Fredrick, D. F., 1977, Trop. Animal Health and Prod., v. 9 (3), 135-139
external and internal parasites, pigs, 1967-1969: Solomon Islands
(Amblyomma c. cyprium; Haematopinus suis; Stephanurus dentatus; Metastrongylus apri; M. pudendotectus; Ascarops dentata; A. strongylina; Gnathostoma doloresi; Ascaris suum; Globocephalus urosubulatus; G. connorfilii; G. samoensis; Trichuris suis; Oesophagostomum quadrispinulatum; O. dentatum; Bourgelatia diducta; Microfilariae)

Sonic vibrations. See Sound.

Sonication. See Sound.

Sound
Bazan, P.; et al., 1976, Policlin., Roma. Sez. Chir., v. 83 (1-2), 113-118
human hepatic echinococcosis, values and problems involved in use of ultrasound (echography) for diagnosis, results of echographic diagnosis compared to results from conventional diagnostic methods

Sound
Blauenstein, U. W.; and Burger, J., 1973, Med. Welt, v. 24 (11), 395-401
echinococcosis, diagnosis of human hepatic infection using ultrasound

Sound
Chavasse, C. J.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 115-116 [Demonstration]
schistosomes, technique for monitoring motility in vitro using ultrasound

Sound
Doust, B. D., 1976, Gastroenterology, v. 70 (4), 602-610
use of ultrasound to diagnose and assess healing process of human amoebic liver abscess

Sound
Dymowska, Z.; and Zielinska, E., 1975, Med. Dosw. i. Mikrobiol., v. 27 (4), 411-415
Toxoplasma gondii, human, antigen for passive hemagglutination obtained by ultrasonic disintegration of cells highly specific for diagnosis, comparative trials

Sound
Gravely, S. M.; and Kreier, J. P., 1974, Tropenmed. u. Parasitol., v. 25 (2), 198-206
Babesia microti, removal from infected hamster erythrocytes by continuous-flow ultrasonication, freed parasites collected by differential centrifugation, effectiveness of this system of lysis evaluated by electron microscopy and parasites evaluated serologically by complement-fixation testing, cross-reactions with sera from Plasmodium berghei-infected hamsters may be due to erythrocyte contamination

Sound
Hedge, E. C.; and Ridley, D. S., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 304-307
evaluation of microfilarial antigen for use with indirect immunofluorescent test in diagnosing human filariasis; best results obtained with sonicated microfilariae of Brugia pahangi with which both cytoplasmic and sheath antigens could be utilized simultaneously

Sound
Hernandez-Pieretti, O., 1977, Postgrad. Med. J., London (623), v. 53, 533-536
human Chagas disease, echocardiographic findings in persons with chronic Chagas cardiomyopathy compared with other types of cardiomyopathy, use in diagnosis and evaluation of pathology

Sound
Jankovic-Brmbolic, A.; et al., 1976, Arch. Inst. Pasteur Tunis, v. 53 (1-2), 31-37
Trichomonas vaginalis, in vitro, ultrasonic vibration, motility intensified by small doses, deformations of superficial membrane and organic structure by large doses

Sound
Kreier, J. P.; et al., 1976, Tropenmed. u. Parasitol., v. 27 (1), 82-88
Plasmodium berghei, characteristics of selected population of small blood stage parasites obtained by differential centrifugation of population of parasites freed by continuous flow sonication

Sound
Prior, R. B.; and Kreier, J. P., 1977, Ohio J. Sc., v. 77 (2), 91-96
Plasmodium gallinaceum, release from chicken erythrocytes by ultrasound, energy frequency, intensity, and exposure time necessary for erythrocyte breakdown

Sound
Saul, K. W.; and Kreier, J. P., 1977, Tropenmed. u. Parasitol., v. 28 (3), 302-318
Plasmodium berghei-infected rats (exper.), immunization with antigens of a sonically freed preparation of erythrocytic parasites rich in merozoites, evaluation in rats of 3 age groups and of vaccine with and without adjuvants, freeze-thawed freed parasites did not lose antigenicity when stored up to 2 weeks

Sound
Senet, J. M.; Robert, R.; and Mauras, G., 1976, Biomedicine, v. 25 (5), 191-194
preparation ultrasonically and comparison of soluble endogenous, insoluble particular, and total mixed antigens used in indirect hemagglutination test to diagnose toxoplasmosis

Sound
Stadaas, J. O.; Nordshus, T.; and Bugge-Asperheim, B., 1976, Tidsskr. Norske Laegefor., v. 96 (15), 879-881
Taenia echinococcus in humans, case reports, diagnosis using ultrasound, expected increased incidence due to increased immigration: Norway

Sound
Vicary, F. R.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 29-31
Echinococcus granulosus, humans, accurate localization of abdominal hydatid cysts by ultrasound B-scanning

Sound
Webb, J. P., jr.; George, J. E.; and Cook, B., 1977, Nature, London (5593), v. 265, 443-444
Ornithodoros concanensis makes use of vocal sound of Petrochelidon pyrrhonota as a cue in its host-finding behavior

Sound
Weill, F.; et al., 1975, Medecine and Chir. Digest., v. 4 (1), 35-37
echotomography in diagnosis of human hepatic echinococcosis

South Africa
Barrowman, P. R.; and van Vuuren, M., 1976, J. South African Vet. Ass., v. 47 (2), 83-85
prevalence of Trypanosoma equiperdum, serological testing of horses, 1954-1975: South Africa

South Africa
Mitchell, J. R., 1977, J. South African Vet. Ass., v. 48 (1), 53-54
abattoir survey of helminths in cattle: Swaziland, Republic of South Africa
(Cysticercus bovis; hydatid cysts; Fasciola sp.; Oesophagostomum radiatum; Cordophilus sagittus)

South America
Sasa, M., 1974, Internat. Med. Found. Japan. Reporting series (4), 3-48
human filariasis in the Americas, extensive review, epidemiology, geographic distribution, mosquito vectors, control measures, literature review

South Australia. See Australia, South Australia.

South Carolina. See United States, South Carolina.

Spain
Cordero del Campillo, M., 1974, Internat. J. Zoonoses, v. 1 (2), 43-57
parasitic zoonoses in Spain, review

Spain
Cordero del Campillo, M.; and Rojo Vazquez, F. A., 1977, An. Fac. Vet. Leon, Oviedo, v. 21 (21), 1975, 33-40
Indice-Catalogo de Zooparasitos Ibericos, I. Protozoos, II. Trematodos, additions and corrections

Spain
Martinez Gomez, F.; Hernandez Rodriguez, S.; and Calero Carretero, R., 1973, Rev. Iber. Parasitol., v. 33 (4), 625-631
survey of goat helminths at Municipal Slaughterhouse, Cordoba
(Fasciola hepatica; Dicrocoelium dendriticum; Moniezia expansa; M. benedeni; Avitellina centripunctata; Stilesia globipunctata; Echinococcus granulosus; Skrjabinema ovis; Bunostomum trigonocephalum; Oesophagostomum venulosum; Chabertia ovina; Trichostrongylus axei; T. capricola; T. colubriformis; T. vitrinus; Cooperia sp.; Haemonchus contortus; Ostertagia circumcincta; O. trifurcata; Dictyocaulus filaria; Cystocaulus ocreatus; Trichuris globulosa; T. ovis)

Spain
Muzquiz Moracho, J. L., 1976, Veterinaria, Barcelona, v. 41 (10-12), 161-163
Trichinella spiralis, epidemiological study, not found in survey of 100 dogs, Oct. 1974-May 1975: Zaragoza (Espana)

Spain
Saiz Moreno, L., 1972, Med. Trop., Madrid, v. 48 (3-4), 182-187
general review of epidemiology of Echinococcus granulosus in Spain

Spain
Vasallo Matilla, F., 1971, Med. Trop., Madrid, v. 47 (3), 260-267
survey of hospitalized patients for intestinal parasites: Madrid
(Lamblia intestinalis; Chilomastix mesnili; Entamoeba coli; E. hartmanni; Endolimax nana; Iodamoeba buetschlii; Isospora hominis; Dicrocoelium dendriticum; Taenia saginata; Hymenolepis nana; Ascaris lumbricoides; Trichuris trichiura; Enterobius vermicularis)

Specific pathogen-free animals. See Gnotobiotic animals.

Specificity
Bagster, I. A.; and Parr, C. W., 1973, Nature (5415), v. 244, 364-366
trypanosome identification by electrophoresis of soluble enzymes

Specificity
Baker, J. R.; Liston, A. J.; and Selden, L. F., 1976, J. Gen. Microbiol., v. 97 (1), 113-115
Trypanosoma (Schizotrypanum) dionisii, trypomastigote dimorphism and satellite DNA, results exclude possibility of mixed populations of two species or subspecies

Specificity
Carter, R.; and Voller, A., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 14-15 [Demonstration]
Plasmodium spp., survey of electrophoretic forms of 4 enzymes, variation between species, subspecies, and strains

Specificity
Chance, M. L.; Peters, W.; and Schchory, L., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 307-316
Leishmania spp., buoyant density of total cell DNA determined by isopycnic centrifugation in CsCl, wide spectrum of values, results discussed in terms of taxonomy; isolated kinetoplast DNA, minicircle contour length showed no evidence of species specificity

Specificity
Chance, M. L.; and Warhurst, D. C., 1973, J. Protozool., v. 20 (4), 524
Plasmodium berghei berghei, P. berghei yoelii, P. chabaudi, P. vinckei, DNA relationships in the subgenus Vinckeia

Specificity
Daskalov, P., 1974, Izvest. Tsentral. Khelmint. Lab., v. 17, 59-72
Ostertagia circumcincta, O. trifurcata, Teladorsagia davtiani, males crossed with different morphological types of female Ostertagia, no reproductive barriers between them, proposed that they be considered the Ostertagia circumcincta complex

Specificity
Ebert, F., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 517-524
Leishmania donovani strains, characterization by disc electrophoresis, patterns of general protein staining, unspecific esterase, alkaline and acid phosphatases, species-specific fractions which may be instrumental in identification

Specificity
Ebert, F., 1974, Tropenmed. u. Parasitol., v. 25 (1), 49-53
Leishmania tropica strains, electrophoretic patterns for proteins and enzymes which made characterization of strains possible, taxon-specific esterase bands which could be used in differentiating from L. donovani

Specificity
Ebert, F., 1974, Tropenmed. u. Parasitol., v. 25 (3), 259-266
Leishmania spp. of the New World, comparative electrophoretic studies on proteins, esterases, relationships to Leishmania donovani and L. tropica, use of species-specific enzyme patterns in differentiating species and strains

Specificity
Gardener, P. J.; Chance, M. L.; and Peters, W., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 317-325
Leishmania spp., variation in electrophoretic mobility of malate dehydrogenase using disc polyacrylamide-gel method, results correlated with DNA buoyant density determinations on same isolates, preliminary summary of biochemical taxonomy presented

Specificity
Graham, O. H.; Price, M. A.; and Trevino, J. L., 1972, J. Med. Entom., v. 9 (6), 531-537
Boophilus annulatus and B. microplus, cross-mating successful, sterility of males and reduced fertility of females of hybrid offspring, close relationship of species, reproductive isolation

Specificity
Kilgour, V., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 11 [Demonstration]
Trypanosoma brucei brucei, T. vivax, T. congolense, isoenzymes of alanine aminotransferase as possible specific characters

Specificity
Kilgour, V.; Godfrey, D. G.; and Na'isa, B. K., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 329-335
Trypanosoma vivax, three distinct isoenzyme patterns of two aminotransferases, possible use in identification and subspeciation, Nigerian cattle (nat. and exper.), sheep (exper.), goats (exper.)

Specificity
Newton, B. A.; Steinert, M.; and Borst, P., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 259-260 [Abstract]
Trypanosoma mega, Crithidia luciliae, differentiation by hybridization of complementary RNA with kinetoplast DNA

Specificity
Rollinson, D., 1976, Parasitology, v. 73 (2), iv [Abstract]
Eimeria mivati, E. acervulina, electrophoretic forms of enzymes, high frequency of interspecific variation, crosses produce strains characterized by glucose phosphate isomerase-2 (characteristic of E. acervulina) and ability to passage in eggs (E. mivati), results support Long's view that E. mivati Houghton isolate belongs to species E. acervulina

Specificity
Sandon, H., 1976, Tr. Am. Micr. Soc., v. 95 (3), 357-366
opalinids with special reference to Protoopalina, problems in specific identification, speculations about evolution

Specificity
Shirley, M. W.; and Lee, D. L., 1977, J. Parasitol., v. 63 (2), 390-392
Eimeria spp., isoelectric focusing of enzymes, compared with starch gel electrophoresis, inter- and intraspecies differences

Specificity
Willaert, E.; Jadin, J. B.; and Le Ray, D., 1972, Protistologica, v. 8 (4), 497-504
Naegleria, immunoelectrophoretic analysis of water soluble proteins, comparison of pathogenic and nonpathogenic strains, confirms existence of two separate species and gives evidence of homogeneity of pathogenic strains from different geographic areas, no antigenic relationship with Hartmannella castellanii or Entamoeba histolytica, study of antigenically intermediate strain between Naegleria gruberi and pathogenic Naegleria sp.

Specificity, Host
Anpilogova, N. V., 1970, Parazitologiia, Leningrad, v. 4 (3), 288-295
cross-infection experiments between sparrows and chickens indicate that Isospora oocysts found in feces of chickens (and possibly other poultry) are oocysts of I. lacazei ingested with feed or water contaminated by Passer montanus pallidus and not a true infection: Tadzhikistan poultry farms

Specificity, Host
Artemenko, Iu. G., 1976, Veterinariia, Kiev (43), 84-86
trichinosis, comparative infectivity of domestic (from domestic swine) and wild (from Siberian bears) strains to experimental swine, polar foxes, foxes, mink and cats

Specificity, Host
Barrowman, P. R., 1976, Onderstepoort J. Vet. Research, v. 43 (2), 55-65
Trypanosoma equiperdum in naturally infected horses, transmission studies, clinical symptoms and lesions, localization of parasite, host immune response, methods for parasite detection, varying results of chemotherapy with MSbE; attempts to infect rats, rabbits, and a dog were unsuccessful: South Africa

Specificity, Host
Basch, P. F., 1976, Exper. Parasitol., v. 39 (1), 150-169
Schistosoma mansoni, intermediate host specificity (Biomphalaria), extensive review

Specificity, Host
Bejsovec, J., 1974, J. Protozool., v. 21 (3), 454 [Abstract]
Eimeria spp. of wild galliform birds, failure of transmission to domestic galliform birds even in localities with prolonged and intensive contact or by experimental infection: Czechoslovakia

Specificity, Host
Bennett, G. F.; and Cameron, M. F., 1975, J. Parasitol., v. 61 (6), 1091-1095
Leucocytozoon fringillinarum, L. dubreuili, L. majoris, mixed infections, passeriform birds; concluded that species identification must be based on morphological criteria, and host specificity alone is not a valid diagnosis

Specificity, Host
Bezuidenhout, J. D.; and Schneider, H. P., 1972, J. South African Vet. Ass., v. 43 (3), 301-304
Cosmiomma hippopotamensis, ecology and host specificity, collected on vegetation in Kaokoland, South West Africa

Specificity, Host
Blair, D., 1976, J. Helminth., v. 50 (2), 125-132
Apatemon gracilis, life cycle completed in laboratory, cercaria redescribed, development of metacercariae in various fishes (host and location specificity, exper. infections not realized in some fish species which were naturally infected), excystation of metacercaria

Specificity, Host
Blankespoor, H. D., 1975, Tr. Am. Micr. Soc., v. 94 (3), 433-434 [Abstract]
Plagiorchis noblei, low degree of host specificity

Specificity, Host
Bledsoe, B., 1976, J. Protozool., v. 23 (3), 365-367
Isospora vulpina, exper. transmission from Vulpes vulpes to Canis familiaris

Specificity, Host
Borisova, V. I., 1975, Biol. Nauk., Min. Vyssh. i. Sredn. Spetsial. Obrazovan. SSSR (141), year 18, (9), 14-18
nest ectoparasites of birds, obligate blood-sucking parasites, host specificity

Specificity, Host
Bower, S. M.; and Woo, P. T. K., 1977, Exper. Parasitol., v. 43 (1), 63-68
Cryptobia catostomi, use of in vitro plasma incubation test in study of host specificity (plasma of 6 refractive fishes had cryptobiacidal titers) and of host resistance mechanism (suggested that alternate pathway of complement activation is one mechanism of 'natural immunity' by vertebrates that are related to the susceptible host)

Specificity, Host
Buckner, S. C.; and Nickol, B. B., 1975, J. Parasitol., v. 61 (6), 991-995
comparison of Moniliformis clarki and M. moniliformis reflects distinctness of species, definitive and intermediate host specificity, laboratory life cycles, failure to hybridize

Specificity, Host
Butcher, G. A.; Mitchell, G. H.; and Cohen, S., 1973, Nature (5410), v. 244, 40-42
Plasmodium knowlesi, ability of serum and of red cells from susceptible and resistant hosts to support growth and multiplication, properties of serum could not be correlated with susceptibility or resistance of donor species but properties of host erythrocytes did play a role, implications for mechanism of host specificity

Specificity, Host
Campbell, R. A., 1973, Tr. Am. Micr. Soc., v. 92 (2), 256-265
Cotylurus flabelliformis, host specificity, host-induced variations not significant, temperature of fixative greatly influenced size of worms in permanent preparations, development in domestic mallard

Specificity, Host
Cioli, D.; Knopf, P. M.; and Senft, A. W., 1977, Internat. J. Parasitol., v. 7 (4), 293-298
Schistosoma mansoni, survival, growth, and egg-laying capacity of worms surgically transplanted into permissive and nonpermissive hosts (from mice into rats or from rats into hamsters), results show that limitations imposed by nonpermissive hosts are reversible and that they affect maintenance of adults as well as progression of development

Specificity, Host
Cloutman, D. G.; and Becker, D. A., 1977, J. Parasitol., v. 63 (2), 372-376
Ergasilus centrarchidarum on Micropterus salmoides and M. punctulatus, some ecological aspects: host specificity; abundance related to host age and sex; seasonal abundance and egg production, optimum temperatures; no evidence of antagonism with other concomitant species of gill parasites: Lake Fort Smith, Crawford County, Arkansas

Specificity, Host
Corbel, J.-C., 1973, Acrida, v. 2 (2), 69-75
Gregarina acridiorum, description, affinities with closely related species, geographical distribution, host specificity

Specificity, Host
Cottrell, B. J., 1977, J. Fish Biol., v. 11 (1), 35-47
Trypanosoma platessae in Pleuronectes platessa (blood) (nat. and exper.), brief redescription, age of host, seasonal variation may be related to change in ambient temperatures and host immunity levels, host specificity: Looe Bay

Specificity, Host
Dailey, M. D.; and Carvajal, J., 1976, J. Parasitol., v. 62 (6), 939-942
Rhinebothrium not host specific to the Myliobatidae

Specificity, Host
Dennig, H. K.; and Hoesl, G., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 79-84
Babesia galagolata, wide host spectrum being transmissible to at least 7 different species, one of least host specific Babesia known to date

Specificity, Host
De Vos, A. J., 1970, Onderstepoort J. Vet. Research, v. 37 (1), 29-36
Eimeria chinchillae, experimental studies on host range; pathology, morphology, and development in hosts; findings indicate a lack of host specificity

Specificity, Host
Drenner, R. W.; and Camin, J. H., 1977, J. Kansas Entom. Soc., v. 50 (4), 514 [Abstract]
Haemaphysalis leporispalustris, climbing behavior of larvae, role in host-finding and host specificity

Specificity, Host
Dubey, J. P., 1975, J. Parasitol., v. 61 (3), 462-465
Isospora ohioensis sp. n., proposed for I. rivolta-like oocysts from dog feces on basis of cross-infection experiments between canine and feline isolates of I. rivolta, I. rivolta retained for cat species

Specificity, Host
Dvoriadkin, V. A., 1976, Zool. Zhurnal, v. 55 (4), 515-520
Nanophyetidae, analysis of geographic range of species in relation to zoogeographic areas, intermediate host distribution and specificity, life cycles

Specificity, Host
Egoscue, H. J., 1976, Great Basin Nat., v. 36 (4), 475-480
fleas of Peromyscus maniculatus sonoriensis and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference: western Utah

Specificity, Host
Fain, A., 1977, Ann. Parasitol., v. 52 (3), 339-351
Myobiidae, specificity and parallel host-parasite evolution

Specificity, Host
Fayer, R.; Johnson, A. J.; and Hildebrandt, P. K., 1976, J. Parasitol., v. 62 (1), 10-14
Sarcocystis fusiformis, narrow specificity of asexual stages for bovine intermediate host, wider but restricted host range of sexual stages for coyotes, dogs, foxes, and raccoons

Specificity, Host
Fernandes, M. P. M.; and Artigas, P. T., 1975, Mem. Inst. Butantan, v. 39, 103-121
Kalicephalus subulatus, key, redescription, valid species, geographical dispersion in serpents, host specificity

Specificity, Host
Font, W. F.; and Corkum, K. C., 1977, J. Parasitol., v. 63 (5), 937-938
Alloglossidium corti, A. renale, A. macrobdellensis, distribution and host specificity in selected habitats, data support established taxonomy which is based solely upon morphology: Louisiana

Specificity, Host
Frenkel, J. K., 1976, National Cancer Inst. Monograph (43), 13-30
"there is justification to regard Pneumocystis from rats and man as different species. . . that from humans is designated P. jiroveci n. sp. . . . no significant morphologic differences between the two species are recognized; the separation rests on apparent species specificity and serologic differences.", morphology, physiology and immunology in relation to pathology

Specificity, Host
Gingrich, R. E.; and Barrett, C. C., 1976, J. Med. Entom., v. 13 (1), 61-65
Cuterebra fontinella, host specificity, acquisition of resistance by Peromyscus leucopus, effects of host sex on susceptibility to infection, localization of resistance, infestation by injection of larvae, interruption of infestation, effects of dose on resistance

Specificity, Host
Grassmick, R. A., 1975, J. Protozool., v. 22 (3), 29A [Abstract]
Tetrahymena, 2 clones, host specificity: Aedes aegypti completely refractory, 2 spp. of Culex are susceptible, Anopheles quadrimaculatus susceptible to infection by one clone and refractory to infection with the other

Specificity, Host
Guttowa, A., 1969, Acta Parasitol. Polon., v. 16 (20-27), 1968-1969, 239-248
Triaenophorus nodulosus, amino acids composition and proportions similar to Eudiaptomus gracilis, copepod intermediate host; copepod amino acid composition basis for studies of host specificity and resistance

Specificity, Host
Hazard, E.; and Fukuda, T., 1974, J. Protozool., v. 21 (4), 497-504
Stempellia milleri sp. n., host specificity, symptomology in mosquito host

Specificity, Host
Hendricks, L. D., 1977, J. Parasitol., v. 63 (1), 32-35
Isospora arctopitheci, wide host range demonstrated in exper. infections of primates, carnivores, and marsupials

Specificity, Host
Herlich, H., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 52-54
Ostertagia ostertagi, lambs, no patent infections produced after oral inoculation of infective larvae but larvae did exsheath, enter gastric pits, undergo development to adolescent stage, and produce abomasal lesions; adults and mixture of larvae and adolescents recovered from calves and transferred to lambs orally did produce patent infections; mixture of larvae and adolescents recovered from lambs and transferred orally to lambs and calves did not produce patent infections

Specificity, Host
Hommel, M.; and Miltgen, F., 1973, J. Protozool., v. 20 (4), 527
Trypanosoma blanchardi, T. rabinowitschae, adaptation to mice by passage through cultures and then sarcomatous mice, strong cross immunity between T. musculi and mouse-adapted strains; adaptation of T. lewisi to mice using same method was not possible; this new culture system was used to cultivate T. brucei

Specificity, Host
Hoskin, G. P.; and Cheng, T. C., 1970, Proc. Symp. Mollusca (Cochin, Jan. 12-16, 1968), pt. 3, 780-798
Mucronalia nitidula from Holothuria atra, external and internal anatomy, functional morphology, host specificity: off Queen's Surf Beach, Oahu, Hawaii

Specificity, Host
Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.
Ergasilus, host specificity, distribution: Gulf of Mexico drainage basins

Specificity, Host
Kotecki, N. R., 1970, Acta Parasitol. Polon., v. 17 (20-38), 329-355
cestode parasites of Anseriformes under conditions of a zoological park, circulation among hosts, host specificity; life cycles and seasonal distribution of some species: Warszawa Zoo

Specificity, Host
Lewis, R. E., 1972, J. Med. Entom., v. 9 (6), 511-520
Pulicidae, world-wide distribution by zoogeographical regions and subregions, host preferences; list of genera and species

Specificity, Host
Lewis, R. E., 1973, J. Med. Entom., v. 10 (3), 255-260
Rhopalopsyllidae, Malacopsyllidae, Vermipsyllidae, world-wide distribution by zoogeographical regions, host preferences; list of genera and species

Specificity, Host
Lipa, J. J., 1967, Acta Protozool., v. 5 (8), 97-179
gregarines of arthropods in Poland, host specificity, geographic distribution, host and parasite records

Specificity, Host
Lom, J., 1973, J. Protozool., v. 20 (4), 537
Trypanosoma and Trypanoplasma from freshwater fishes, cross-infection experiments reveal low degree of host specificity, stress increases susceptibility to infection

Specificity, Host
McCully, R. M.; et al., 1975, Onderstepoort J. Vet. Research, v. 42 (4), 117-133
Hepatozoon sp. in wild carnivores and H. canis in dogs compared, location in host, developmental stages, lesions, pathogenesis; attempt to transmit Hepatozoon from jackal to dogs by means of Rhipicephalus sanguineus was inconclusive: South Africa

Specificity, Host
Marquardt, W. C., 1976, J. Protozool., v. 23 (2), 287-290
host-parasite interactions in Coccidia, past-president's address with emphasis on: winter coccidiosis caused by Eimeria zuernii; pathogenesis of mixed infections; genetic basis of host specificity of E. separata

Specificity, Host
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity: New Hebrides

Specificity, Host
Mayberry, L. F.; et al., 1975, J. Protozool., v. 22 (3), 28A [Abstract]
Eimeria separata will complete life cycle only in certain strains of mouse

Specificity, Host
Mock, D. E., 1973, J. Med. Entom., v. 10 (1), 34-37
Gasterophilus intestinalis ova, cattle pastured with or near horses, viable larvae: Ithaca, New York area

Specificity, Host
Musoke, A. J.; and Cox, H. W., 1977, J. Parasitol., v. 63 (3), 464-470
Plasmodium chabaudi, adaptation to rat host, immune responses in rats and in mice to rat strain, resistance to challenge with homologous and heterologous strains and to Babesia rodhaini, elaboration of soluble serum antigen in mice infected with rat strain

Specificity, Host
Nickol, B. B., 1977, J. Parasitol., v. 63 (1), 104-111
Mediorhynchus centurorum, life cycle, host specificity

Specificity, Host
Nutting, W. B., 1976, Cornell Vet., v. 66 (2), 214-231
Demodex spp., biology, medical and veterinary importance, taxonomy, host-parasite interactions, problems needing further study, review, key to demodicids of medico-veterinary concern

Specificity, Host
Ormieres, R., [1976], Ann. Parasitol., v. 50 (5), 1975, 521-529
Gregarina ovata, life cycle, production of macrosporocysts, compared with Gregarina fallax n. sp. life cycle producing microsporocysts, host specificity

Specificity, Host
Phuc, D. V.; and Varga, I., 1975, Acta Vet., Budapest, v. 25 (2-3), 231-239
Amidostomum anseris, comparison of worm development and pathology in experimentally infected chickens and ducklings with those of goslings, stored larvae from ducklings proved infective to goslings and ducklings

Specificity, Host
Riedel, D., 1975, J. Protozool., v. 22 (1), 8-17
Trypanosoma (Herpetosoma) tamiasi sp. n., life cycle, mode of reproduction, morphogenesis, morphometrics, host specificity

Specifity, Host
Rust, R. W., 1973, J. Med. Entom., v. 10 (2), 169-175
ectoparasitic mites of Thomomys bottae, mite age structure, seasonal fluctuations, effect of host macro- and microenvironment on host specificity: Davis, California

Specificity, Host
Sauer, H. J.; Gonik, B.; and Blankespoor, H. D., 1975, Malacol. Rec., v. 8 (1-2), 122
Gigantobilharzia huronensis, low degree of host-specificity in Physa spp. vector snails: Great Lakes region

Specificity, Host
Seaman, R. N.; and Nash, D. J., 1976, Great Basin Nat., v. 36 (4), 481-482
Cuterebra larvae in 2 sympatric species of Peromyscus, incidence, monthly variation; larvae show definite preference for P. maniculatus: northern Colorado

Specificity, Host
Soulsby, E. J. L., 1976, Pathophysiol. Parasit. Infect., 1-9
determinants of parasitism: factors in pathogenicity (factors determining host-parasite compatability; factors determining pathogenicity; survival of parasites in hosts), review

Specificity, Host
Soulsby, E. J. L., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 28-43
role of host response in parasite control: host-parasite specificity; evasion of host response by parasites; utilization of host response by passive or active immunization, review

Specificity, Host
Stone, W. B.; Roscoe, D. E.; and Weber, B. L., 1976, N. York Fish and Game J., v. 23 (2), 182-183
Sarcoptes scabiei var. canis, nat. and exper. transfer from red foxes to humans, mites unable to reproduce well in human tissue

Specificity, Host
Varga, I., 1976, Acta Vet., Budapest, v. 26 (1), 105-112
Eimeria stiedai in Oryctolagus cuniculus (exper.), successful transmission to Lepus europaeus, pathology, reisolated oocysts from L. europaeus proved infective to both L. europaeus and O. cuniculus

Specificity, Host
Vetterling, J. M., 1973, J. Protozool., v. 20 (4), 510
Eimeria tenella will not complete life cycle in close phylogenetic relatives of Gallus gallus even though it will do so in cell culture of these birds; 1 or 2 sporozoites were able to develop to macrogametes in Alectoris graeca but did not produce patent infection; E. tenella does not develop parenterally in its definitive host or close phylogenetic relatives

Specificity, Host
Vetterling, J. M., 1976, J. Protozool., v. 23 (1), 155-158
Eimeria tenella, host specificity, among 8 genera of gallinaceous birds only breeds of Gallus gallus developed patent infections

Specificity, Host
Weiss, M. L., 1976, Exper. Parasitol., v. 40 (1), 103-111
Plasmodium berghei, mouse strain noninfective but highly immunogenic for Meriones unguiculatus was adapted to M. unguiculatus through serial passage of infected blood, antigenic changes during adaptation, loss of infectivity for mice, different antigens apparently responsible for immunogenicity vs. infectivity, vaccination led to production of some protective antibody but also to blocking and enhancing antibody

Specificity, Host
Wiger, R., 1971, Norwegian J. Zool., v. 19 (1), 83-87
Trypanosoma sp. from Lemmus lemmus, description, incidence, age of host; unable to experimentally infect Microtus oeconomus: More-Romsdal county, Norway

Specificity, Host
Wong, M. M., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (6), 479-490
Dirofilaria immitis in normal and immunosuppressed Macaca spp., histopathology, W.B.C. and eosinophil counts, radiological examination, serological examination by IFA test, recovery of adult worms only in immunosuppressed hosts indicates that host susceptibility rather than parasite infectivity was the factor concerned

Spectrophotometry. See Spectrum analysis.

Spectroscopy. See Spectrum analysis.

Spectrum analysis
Agosin, M.; et al., 1976, Internat. J. Biochem., v. 7 (11), 585-593
Trypanosoma cruzi culture form, spectral characterization of microsomal and other hemoproteins, results suggest that cytochrome-P-450-linked monooxygenase system may be responsible for resistance of this parasite to antimicrobial drugs

Spectrum analysis
Chamberlain, W. F., 1977, Southwest. Entom., v. 2 (1), 11-15
Haematobia irritans, elemental composition of strontium, magnesium, manganese, and zinc in flies from several geographic areas and cultural conditions, higher levels of elements in females than in males, atomic absorption spectroscopy, possible relationships to source of flies

Spectrum analysis
Cox, R. A.; Godwin, E.; and Hastings, J. R. B., 1976, Biochem. J., v. 155 (3), 465-475
Plasmodium knowlesi, ribosomal ribonucleic acid, spectroscopic evidence for uneven distribution of adenine and uracil residues, possible evolutionary significance

Spectrum analysis
Haider, S. A.; and Siddiqi, A. H., 1976, J. Helminth., v. 50 (4), 259-265
Gastrothylax crumenifer, Srivastavaia indica, Gigantocotyle explanatum from Bubalus bubalis; Fasciolopsis buski, Gastrodiscoides hominis from Sus scrofa; Isoparorchis hypselobagri from Wallago attu: trematode hemoglobin compared with host hemoglobin, spectrophotometric analysis

Sperm. *See* Gametes.

Spermatogenesis. *See* Gametogenesis.

Spinal cord. *See* Nervous system, Hosts.

Spleen
Albright, J. F.; Albright, J. W.; and Dusanic, D. G., 1977, J. Reticuloendothel. Soc., v. 21 (1), 21-31
Trypanosoma musculi, mice, correlation between parasitemia, splenic enlargement, and suppression of humoral immune response assessed both in vivo and in vitro, spleen cells of infected mice were unresponsive to both B and T cell mitogens during time of marked splenomegaly, blood serum of infected mice and extract of parasite both inhibit humoral immune response

Spleen
Anosa, V.; Jennings, F. W.; and Urquhart, G. M., 1977, J. Comp. Path., v. 87 (4), 569-579
Trypanosoma brucei, mice, anemia slightly increased in splenectomized mice compared to intact mice; spleen not essential for red cell destruction

Spleen
Bindseil, E., 1976, Norwegian J. Zool., v. 24 (4), 459-460 [Abstract]
possible causes of anemia and splenomegaly in infections with non-bloodsucking parasites

Spleen
Botros, B. A. M.; Moch, R. W.; and Barsoum, I. S., 1975, Am. J. Vet. Research, v. 36 (3), 293-296
Babesia gibsoni, splenectomized and nonsplenectomized dogs (exper.), inoculation with fresh and preserved blood, prepatent period, clinical signs, duration of parasitemia, gross pathologic changes, clinicopathologic changes, histopathologic features, relationship of age of dogs to pathogenicity of infection

Spleen
Brown, L. A.; and Losos, G. J., 1977, Research Vet. Sc., v. 23 (2), 196-203
Trypanosoma congolense and T. brucei, comparative pathology in both bled and non-bled albino rats (exper.): parasitemia, packed cell volumes, weight of spleen and lymph, histology of thymus, spleen, lymph nodes, and bone marrow

Spleen
Brusquet, Y.; and Raybaud, C., 1971, Medecine Infant., v. 78 (6), 357-364
parasitic causes of splenomegaly in infants

Spleen
Buening, G. M., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 71-76
Anaplasma marginale, calves (intact, splenectomized, vaccinated, unvaccinated), comparison of results in leukocyte migration inhibition test, complement fixation test, and intradermic skin tests

Spleen
Carvalho Luz, F. F., 1970, Med. Universal, v. 13 (4), 197-206
review of case reports and surgical procedures used in treatment of human hepato-splenic Schistosoma mansoni: Brazil

Spleen
Conte, G.; et al., 1971, Minerva Med., v. 62 (68), 3227-3236
human echinococcosis, cysts of heart and spleen secondary to primary cysts of liver, case reports, surgical management: Italy

Spleen
Cox, H. W.; and Calaf-Iturri, G., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 73-79
Haemobartonella muris in rats, Eperythrozoon coccoides in mice, production of essentially same disease characterized by anemia with splenomegaly and erythrophagocytosis associated with presence of cold-active haemagglutinin, serum antigen, and antibody to serum in blood

Spleen
Crane, G. G.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 308-314
malarial antibodies compared in New Guineans with tropical splenomegaly syndrome and normal controls; results of study cannot implicate any one species of Plasmodium in production of this pathological condition

Spleen
Del Rio Marco, F., 1973, Minerva Chir., v. 28 (10), 764-767
human echinococcosis, primary splenic cysts and secondary cysts of hepatic origin, surgical management

Spleen
Diez, J. A.; Fustinoni, O.; and Vazquez Blanco, M., 1975, Prensa Med. Argent., v. 62 (13), 319-322
human splenic echinococcosis, case report of successful removal by splenectomy: Argentina

Spleen
Dimkovic, D.; and Hadnadev, M., 1973, Med. Pregl., v. 26 (5-6), 157-159
human echinococcal cyst of spleen, case report, radiological and serological diagnosis: Yugoslavia

Spleen
Dokow, S.; et al., 1974, J. Protozool., v. 21 (3), 463 [Abstract]
Plasmodium berghei-infected rats, splenocyte population, change in balance between formation of immunocompetent and erythropoietic cells

Spleen
Fakunle, Y. M.; and Greenwood, B. M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 346-347
tropical splenomegaly syndrome, IgM metabolism

Spleen
Finch, S. C.; and Jonas, A. M., 1973, J. Reticuloendothel. Soc., v. 13 (1), 20-26
Hemobartonella muris, rats, activation of latent infection with development of hemolytic anemia after parenteral administration of ethyl palmitate, effect probably due to development of acute splenic necrosis with loss of splenic sinusoidal function

Spleen
Fluck, D. J.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (5), 638-643
tropical splenomegaly syndrome, ultrastructure of hepatic sinusoids, general appearance is consistent with occurrence of complex immunological reaction

Spleen
Frankenburg, S.; et al., 1977, Exper. Parasitol., v. 43 (2), 362-369
Plasmodium berghei, rats, appropriate balance between immunocompetent and erythropoietic cells in spleen is one of critical factors in determining fate of infected animal

Spleen
Golenser, J.; Shmuel, Z.; and Spira, D. T., 1975, J. Protozool., v. 22 (3), 71A [Abstract]
Plasmodium berghei-infected rats injected with sheep erythrocytes, numbers of plaque-forming cells in spleen and popliteal lymph nodes during course of infection

Spleen
van Gooswilligen, J. C.; and Janknegt, R. A., 1975, Nederl. Tijdschr. Geneesk., v. 119 (25), 988-991
Echinococcus granulosus in man affecting liver, kidney and spleen, case report: Moroccan immigrant to Netherlands

Spleen
Gratecos, N., 1972, Marseille Med., v. 109 (5), 361-369
Plasmodium spp., Leishmania donovani, human splenomegaly, differential diagnosis, clinical review

Spleen
Gregg, R. O.; and Halsey, W. S., 1973, N. York State J. Med., v. 73 (5), 693-694
human hydatid splenic cyst, case report with clinical review: Syracuse, New York (immigrant from Sicily)

Spleen
Hadani, A.; and Theodor, O., 1973, J. Protozool., v. 20 (4), 532
factors affecting the rate of infection of Hyalomma excavatum nymphs with Nuttallia danii: host splenectomy, stage of disease, route of transmission (blood vs. tick-borne)

Spleen
Hayashi, M.; et al., 1975, No To Shinkei (Brain and Nerve), v. 27 (6), 611-619
human Schistosoma japonicum, EEG in persons with liver involvement and portal hypertension, no changes after splenectomy: Japan

Spleen
Hayes, T. J.; Bailer, J.; and Mitrovic, M., 1975, Research Vet. Sc., v. 19 (1), 86-87
Fasciola hepatica, significant resistance to second infection in both splenectomized and sham-operated rats, presence of spleen not necessary for development of protective immunity to superinfection in rats

Spleen
Henry, L.; and Beverley, J. K. A., 1976, Virchows Arch., B Cell Path., v. 20 (1), 55-69
Toxoplasma gondii, mice, response of reticuloendothelial system to infection, changes in lymph nodes, spleen, and thymus induced by low virulence strain are indicative of immunological response but high virulence strain apparently has direct toxic effect which precludes adequate immunological response thereby allowing unrestricted proliferation and eventual host death

Spleen
Hof, H.; Hoehne, K.; and Seeliger, H. P. R., 1976, Canad. J. Microbiol., v. 22 (10), 1453-1457
Toxoplasma gondii, mice, macrophages apparently do not play essential role as effector cells, spleen of crucial importance for resistance

Spleen
Houba, V., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, Pt. 2), 233-239
immunopathology mechanisms in protozoal infections, workshop report: malaria (nephropathies, splenomegaly); African trypanosomiasis

Spleen
Howells, R. E.; and Chiari, C. A., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 435-448
Trypanosoma cruzi, 2 strains, investigation of differences between slender and stout trypomastigotes, infectivity of different forms to mice, relationship between inoculum size, length of pre-patent period, and course of parasitemia, influence of whole-body X-irradiation and splenectomy of host on course of infection

Spleen
Jenkins, G. C.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 154-155 [Abstract]
T[rypanosoma] brucei-infected rabbits, spleen possibly main destructive agent for red cells during infection and for sequestration of platelets

Spleen
Jones, I. G.; Lowenthal, M. N.; and Hutt, M. S. R., 1975, Med. J. Australia, v. 2 (16), 645-647
case reports of human fulminant tropical splenomegaly syndrome, possible abnormal immunologic response to malaria, responds generally to prolonged anti-malarial therapy: Zambia

Spleen
Kurniawan, A. N.; Hardjawidjaja, L.; and Clark, R. T., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 263-269
Schistosoma japonicum, clinical aspects and histo-pathology of human chronic hepato-splenic infections, diagnosis by liver biopsy: Indonesia

Spleen
Leger, L.; et al., 1974, Medecine Trop., v. 34 (6), 725-736
Schistosoma mansoni, Schistosoma japonicum, human schistosomal hepato-splenic schistosomiasis, pathology, diagnosis, surgical treatment of circulatory complications, clinical review

Spleen
Lyra, L. G.; Reboucas, G.; and Andrade, Z. A., 1976, Gastroenterology, v. 71 (4), 641-645
hepatitis B surface antigen carrier state in hepatosplenic human Schistosoma mansoni, incidence and possible correlations with abnormal immune responses and hepatic pathology and cirrhosis

Spleen
Moretti, G.; Beylot, J.; and Longy, M., 1974, Medecine and Chir. Digest., v. 3 (1), 5-9
human splenic echinococcosis, diagnosis using scintigraphy and arteriography

Spleen
Murray, M.; et al., 1974, Research Vet. Sc., v. 16 (1), 77-84
Trypanosoma brucei, 3 aspects of pathology in rats: progressive alteration in immunological apparatus of lymph nodes, spleen, and thymus, increase in activity of mononuclear phagocytic system; haemopoietic system changes, haemolytic anemia; specific organ damage (heart most markedly affected)

Spleen
Musoke, A. J.; Cox, H. W.; and Williams, J. F., 1977, J. Parasitol., v. 63 (6), 1081-1088
Plasmodium chabaudi, rats, antigens and antibodies found associated with anemia, splenomegaly, and glomerulonephritis, suggested that soluble complexes of parasite antigen and antibody may have been causal in this syndrome

Spleen
Omer, A. H. S.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (7), 151-157
increasing incidence of Schistosoma mansoni in Gezira area of Sudan, clinical findings in inhabitants, frequent hepatosplenomegaly attributed to schistosomiasis and possibly hyperendemic malaria

Spleen
Pappas, P. W., 1976, Exper. Parasitol., v. 40 (3), 320-329
Hymenolepis microstoma, mice, attempted correlation of histopathological response and organ hypertrophy

Spleen
Patel, D. C., 1969, Med. J. Zambia, v. 3 (3), 85-86
first reported case of human echinococcosis in Zambia, woman with hydatid cysts of liver and spleen

Spleen
Phares, C. K.; Hofert, J. F.; and Pettinger, C. L., 1976, Gen. and Comp. Endocrinol., v. 28 (1), 103-106
Spirometra mansonoides, hypophysectomized-plerocercoid-infected rats, growth stimulation of lymphatic tissue: in vitro incorporation of ^{3}H-labeled nucleosides into DNA and RNA of isolated thymocytes; spleen thymidine kinase activity

Spleen
Piquard, B.; et al., 1974, Medecine Trop., v. 34 (1), 80-86
human splenic echinococcosis, clinical symptoms, diagnosis by X-ray, case reports

Spleen
Poels, L. G., 1977, Exper. Parasitol., v. 41 (1), 83-88
Plasmodium berghei berghei-infected mice, polyribosome profiles in spleen, results suggest spleen not involved in synthesis of antibodies against parasitic antigen during course of primary lethal infection with P. berghei

Spleen
Prunescu, P.; and Prunescu, C., 1975, Arch. Roumaines Path. Exper. et Microbiol., v. 34 (4), 341-348
Plasmodium berghei in mice and hamsters (exper.), pathologic changes in spleen during course of infection

Spleen
Razzak, M. A.; and Hassaballa, N., 1976, Tropenmed. u. Parasitol., v. 27 (3), 343-348
human hepatosplenic schistosomiasis, radionuclide scanning of spleen performed using heat-treated ^{51}Cr tagged red cells, sequestration of thermally altered erythrocytes was greater in patients with enlarged spleens and in those with more marked anemia

Spleen
van Rensburg, I. B. J., 1976, J. South African Vet. Ass., v. 47 (2), 137-141
Theileria mutans, bovine cerebral theileriosis, 5 case reports, splenic infarction: South Africa

Spleen
Seed, J. R.; et al., 1976, Am. Midland Naturalist, v. 96 (2), 379-390
Trypanosoma brucei gambiense in Microtus montanus (exper.), role of spleen in host immunity; effect of infection (enlarged spleen, increase in adrenal weights, decrease in size of gonads), possible means of distinguishing parasite stress from other forms of natural population stress; possible relationship to reproductive potential and population density

Spleen
Spitalny, G. L.; Rivera-Ortiz, C.-I.; and Nussenzweig, R. S., 1976, Exper. Parasitol., v. 40 (2), 179-188
Plasmodium berghei, mice, effect of splenectomy before and after immunization on development and manifestation of sporozoite-induced immunity, monitoring of protective immunity and production of antisporozoite antibodies (circumsporozoite precipitate and sporozoite neutralization activity), effect of passive transfer of hyperimmune sera

Spleen
Srivastava, P. S.; and Sharma, N. N., 1976, Acta Vet. Beograd, v. 26 (6), 315-321
Theileria annulata-infected calves, splenectomy of T. annulata premune calves provoked only mild relapses, severe disease symptoms manifested in calves splenectomized during febrile reaction period

Spleen
Sucharit, S.; Riganti, M.; and Harinasuta, C., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 286-287 [Demonstration]
Brugia pahangi, rats and gerbils, splenic granulomas and high eosinophilia in research animals used in selection process for increased susceptibility, possible application to research on tropical pulmonary eosinophilia

Spleen
Sucharit, S.; Riganti, M.; and Harinasuta, C., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (2), 223-225
Brugia pahangi in white rats and gerbils being used in laboratory studies to increase susceptibility to infection, evidence of splenic granulomas and high eosinophilia, possible application to research on human pulmonary eosinophilia

Spleen
Veress, B.; et al., 1977, Immunology, v. 33 (5), 605-610
human visceral leishmaniasis, 20 fatal cases, histological appearances of spleen and lymph nodes were suggestive of profound disturbance in cell-mediated immunity, depletion of small lymphocytes in thymus-dependent areas accompanied by abundance of parasite-containing histiocytes and hyperplasia of plasma cells

Spleen
Voller, A., 1975, Symposia Brit. Soc. Parasitol., v. 13, 69-84
immunopathology of malaria, extensive review: immunosuppression and auto-immunity; tropical splenomegaly syndrome; nephrotic syndrome

Spleen
Vray, B., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 255-256 [Letter]
Plasmodium berghei-infected mice (exper.), possible relationships between hepatosplenic and blood rates of para-aminobenzoic acid and parasite development, diet-deficiency study

Spleen
Wallace, L. E.; White, R. G.; and Herbert, W. J., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 279 [Demonstration]
Trypanosoma brucei in Gallus domesticus (exper.), massive segregation of B-cells in germinal centres of spleen

Spleen
Wedderburn, N.; Turk, J. L.; and Hutt, M. S. R., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 468-470
chronic malarial infections, mice, histologic changes in spleen and liver, depression of IgG plaque-forming cell response, chronically infected mice as laboratory model for tropical splenomegaly

Spleen
Wellde, B. T.; et al., 1973, Isotopes and Radiation Parasitol. III, 187-192
Plasmodium berghei, mice, immunizing effect of irradiated parasitized RBC's, effects of various factors on development of resistance (splenectomy before and after immunization; lysis in French pressure cell or by freeze thawing of irradiated parasitized cells; increasing doses of radiation applied to parasitized cells; gluteraldehyde fixation of irradiated parasitized cells)

Spleen
Wolf, R. E., 1977, Clin. Immunol. and Immunopathol., v. 2 (3), 381-394
Babesia microti, effects of antilymphocyte serum and splenectomy on resistance to infection in hamsters, results suggest that although cellular immunity is major factor in host resistance humoral antibody may modify parasitemia and thus give some protection

Spleen
Woodruff, A. W., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 313-328
mechanisms involved in anemia associated with infection (schistosomiasis, kala-azar, malaria, trypanosomiasis) and splenomegaly in tropics, complement activation leading to hemolysis and splenomegaly due to erythrophagocytosis, review

Spleen
Woodruff, A. W.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 329-337
Trypanosom[a] rhodesiense, human, mechanism of anemia, complement coating of erythrocytes and subsequent haemolysis, splenic enlargement due to erythrophagocytosis within spleen

Spleen
Wyler, D. J.; and Gallin, J. I., 1977, J. Immunol., v. 118 (2), 478-484
Plasmodium spp. in mice and monkeys, spleen-derived mononuclear cell chemotactic factor as a possible mechanism for splenic macrophage accumulation

Spleen
Wyler, D. J.; Miller, L. H.; and Schmidt, L. H., 1977, J. Infect. Dis., v. 135 (1), 86-93
Plasmodium inui, intact and splenectomized rhesus monkeys (exper.), role of spleen in host defense and chronicity in malaria infection, results suggest that the spleen plays a protective role during the acute infection and a suppressive role during the chronic phase

Spleen
Zuckerman, A., 1977, Exper. Parasitol., v. 42 (2), 374-446
Plasmodium, immunology, extensive review: immunodiagnosis and seroepidemiology; immunopathology; antigenic analysis; host responses; immunoglobulins; cell-mediated reactions

Splenectomy. See Spleen.

Splenomegaly. See Spleen.

Sporulation
Ajayi, J. A., 1976, Parasitology, v. 72 (3), 335-343
8 ovine Eimeria spp., effects of temperature and Aureo-S-700 on sporulation, viability, and infectivity of oocysts

Sporulation
Bajwa, R. S.; and Gill, B. S., 1977, Ann. Recherches Vet., v. 8 (2), 181-186
Eimeria tenella, progeny of irradiated oocysts, sporulation rate, pathogenicity, immunogenicity, reproductive potential, concluded that radiation effects are not transmissible to progeny

Sporulation
Cerna, Z., 1974, J. Protozool., v. 21 (4), 481-482
Isospora lacazei oocysts, anomalous sporulation, resemblance to Caryospora

Sporulation
Colley, F. C.; and Mullin, S. W., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 444-452
Eimeria traguli, events in sporulation of oocyst population

Sporulation
Duszynski, D. W.; and Conder, G. A., 1977, Internat. J. Parasitol., v. 7 (1), 83-88
Eimeria nieschulzi oocyst sporulation, influence of external factors and self-regulating mechanisms

Sporulation
Perkins, F. O., 1976, J. Protozool., v. 23 (1), 64-74
Marteilia refringens, ultrastructure of sporulation establishes as member of Haplosporea

Sporulation
Stotish, R. L.; et al., 1976, J. Biol. Chem., v. 251 (2), 302-307
Eimeria tenella, glycoprotein unique to cytoplasm of unsporulated oocyst, purification and partial characterization, disappearance from cytoplasm during sporulation, possible incorporation into sporozoite membranes, studies on possible role in immunity inconclusive

Sporulation
Upadhyay, A. N.; and Ahluwalia, S. S., 1977, Indian J. Animal Sc., v. 47 (9), 597-600
E[imeria] debliecki, E. neodebliecki, E. perminuta, Isospora suis, pigs (feces), sporulation time: Aligarh

Sporulation
Wang, C. C., 1976, Biochem. Pharmacol., v. 25 (3), 343-349
Eimeria tenella, relationship of respiration to sporulation and excystation, inhibition of respiration during sporulation and excystation by quinolone coccidiostats, amquinate-resistant strain much less subject to inhibition by quinolones, 2-hydroxynaphthoquinone coccidiostats are equally effective inhibitors against wild type and amquinate-resistant mutant

Sporulation
Wang, C. C.; and Stotish, R. L., 1975, J. Protozool., v. 22 (3), 438-443
Eimeria tenella oocysts during sporulation, changes in nucleic acids and proteins

Sporulation
Weppelman, R. M.; Vandenheuvel, W. J. A.; and Wang, C. C., 1976, Lipids, v. 11 (3), 209-215
Eimeria tenella, oocysts, fatty acids and nonsaponifiable lipids, analysis by gas liquid chromatography and mass spectrometry, changes during sporulation, distribution of nonsaponifiable lipids within oocysts before and after sporulation

Sporulation
Wolf, K.; and Markiw, M. E., 1976, J. Protozool., v. 23 (3), 425-427
Myxosoma cerebralis, in vitro sporulation, first report of culture of a myxosporidan

Sporulation
Wright, A. C.; and Levy, C. K., 1974, J. Protozool., v. 21 (3), 424 [Abstract]
Eimeria falciformis, experiments to determine the extent to which age of unsporulated oocysts affects their responses to ^{60}Co gamma irradiation, possible effect of prior cold storage upon results

Spurious parasites. See Pseudoparasites.

Sputum
Bersi, S., 1974, Pathologica (957-958), v. 66, 311-313
human echinococcosis, diagnosis of pulmonary infection by cytologic examination of sputum: Italy

Sputum
Croll, N. A.; and Killick-Kendrick, R., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 688-689 [Letter]
Strongyloides sp. in human sputum, possible epidemiologic importance of spread by promiscuous expectoration: Bristol, United Kingdom

Sputum
Sapunar, J.; and Klapp, J., 1966, Bol. Chileno Parasitol., v. 21 (2), 44-48
human pulmonary hydatid cysts, differential diagnosis from other pulmonary infections by microscopic examination of sputum for presence of hooklets

Sputum
Smith, J. A.; and Wiggins, C. M., 1973, N. England J. Med., v. 289 (23), 1254-1255 [Letter]
Pneumocystis carinii in humans, diagnosis by identification in sputum

Sputum
Tomb, J. A.; and Matossian, R. M., 1976, Johns Hopkins Med. J., v. 139, suppl., 38-40
Echinococcus granulosus, pulmonary hydatid disease diagnosed in humans by demonstrating scoleces in stained sputum smears

Sri Lanka
Kannangara, D. W. W., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 406-409
human intestinal parasites, comparison of post-mortem analysis of helminth infections with results obtained by fecal examination using direct smear of fecal egg count: Colombo, Sri Lanka
(Trichuris trichiura; Hymenolepis diminuta; Ascaris lumbricoides; Necator americanus; Enterobius vermicularis)

Stains. See Technique, Stains.

Starvation. See Diet.

Statistical models and theory. See Technique, Statistical methods.

Sterility. [See also Reproduction]

Sterility
Kunz, S. E.; Eschle, J. L.; and Cunningham, J. R., 1975, J. Med. Entom., v. 12 (5), 513-517
Haematobia irritans, sterile-male technique for control, comparison of 2 methods of monitoring fecundity and egg hatch in native population following sterile male release, field trials: West Texas

Sterility
Sternberg, S.; Peleg, B. A.; and Galun, R., 1973, J. Med. Entom., v. 10 (2), 137-142
Argas persicus, irradiation of males produces decreased fertility and egg hatching, not effective as tick control due to lowered competitiveness after first round of mating and aspermia; irradiated Ornithodoros tholozani males also ceased to mate after the first or second mating

Sterols. See Lipids.

Stomach. [See also Digestive system; Gastritis; Gastroenteritis]

Stomach
Anderson, N.; Blake, R.; and Titchen, D. A., 1976, Parasitology, v. 72 (1), 1-12
Ostertagia circumcincta, sheep, repeated infections, food intake, total acid output of fundic pouches, pH of abomasal contents, plasma pepsinogen levels, effects reversed by thiabendazole treatment, secretory capacity of fundic pouches tested with pharmacologic agents and feeding

Stomach
Bueno, L.; Dorchies, P.; and Ruckebusch, Y., 1976, Compt. Rend. Soc. Biol., Paris, v. 169 (6), 1975, 1627-1632
Trichostrongylus, lambs (exper.), disturbances in gastrointestinal motility preceding diarrhea, electromyographic analysis, effect of thiabendazole treatment

Stomach
Rivera, M. A.; and Gaafar, S. M., 1976, Vet. Parasitol., v. 2 (4), 341-353
Ascaris suum, pigs, sequential development of esophagogastric ulcers induced by infection

Storage of specimens. See Freezing; Technique, Specimen preparation and preservation.

Strains
Adam, K. M. G.; and Dipeolu, O. O., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 293 [Abstract]
Trypanosom[a] brucei, T. congolense, cyclical development, comparison of strains

Strains
Anderson, J.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 209-222
Onchocerca volvulus, survey of total populations aged 5 years and older in 16 villages of rain-forest and savanna zones, standard techniques used to assess intensity of infection, clinical manifestations; differences thought to be influenced by hormonal factors, strain pathogenicity, transmission patterns: United Cameroon Republic

Strains
Araujo, F. G.; et al., 1976, Infect. and Immun., v. 13 (5), 1528-1530
Toxoplasma gondii, 7 inbred and outbred strains of mice, susceptibility to infection with trophozoites at 2 different doses, striking differences in susceptibility and changes of susceptibility with dosage change, may be due to genetic factors

Strains
Artemenko, Iu. G., 1976, Veterinariia, Kiev (43), 84-86
trichinosis, comparative infectivity of domestic (from domestic swine) and wild (from Siberian bears) strains to experimental swine, polar foxes, foxes, mink and cats

Strains
Audebaud, G.; et al., 1975, Medecine et Malad. Infect., v. 5 (7), 391-397
Toxoplasma gondii, woman, fatal tumoral-like cerebral infection after childbirth, lack of pathogenicity in mice of isolated strain: France

Strains
Bagster, I. A.; and Parr, C. W., 1973, Nature (5415), v. 244, 364-366
trypanosome identification by electrophoresis of soluble enzymes

Strains
Basson, P. A.; McCully, R. M.; and Bigalke, R. D., 1970, Onderstepoort J. Vet. Research, v. 37 (2), 105-126
Besnoitia besnoiti, development and pathology of bovine strains in cattle (exper.) and of bovine and antelope strains in rabbits (exper.), macroscopic and microscopic lesions, chronic and acute infections

Strains
Bayssade-Dufour, C., 1977, Compt. Rend. Acad. Sc., Paris, v. 284, s. D (3), 191-193
Schistosoma mansoni cercariae, 9 strains (4 African, 5 American), differences in chetotaxy

Strains
Behnke, J. M.; and Wakelin, D., 1977, J. Helminthol., v. 51 (3), 167-175
Nematospiroides dubius, stimulation of acquired immunity in inbred strains of mice

Strains
Bennett, G. F.; Warren, M.; and Cheong, W. H., 1964, Med. J. Malaya, v. 19 (1), 32
strain variations of Plasmodium cynomolgi identified by sporogonic cycles

Strains
Berard-Badier, M.; et al., 1968, Path. Biol., v. 16 (19-20), 829-835
acute congenital toxoplasmosis in guinea pigs (exper.), placental lesions varied with Toxoplasma strains used, foetus not affected if placenta lesions were absent

Strains
Bertelli, M. S. M.; Golgher, R. R.; and Brener, Z., 1977, J. Parasitol., v. 63 (3), 434-437
Trypanosoma cruzi, 8 strains, intraspecific variation in effect of temperature on intracellular amastigote-trypomastigote differentiation in tissue culture

Strains
Beveridge, E., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 384-385 [Demonstration]
Trypanosoma cruzi, mice treated with nitrofurazone or moxipraquine, variations in Trypanosoma strains in response to drugs

Strains
Bigalke, R. D.; et al., 1967, Onderstepoort J. Vet. Research, v. 34 (1), 7-28
Besnoitia, susceptibility of rabbits, cattle, and sheep to experimental infection with blue wildebeest and impala strains and subsequent immunity to challenge with bovine strains, suggested all be regarded as distinct strains or biological races of B. besnoiti

Strains
Boehringer, S.; and Hecker, H., 1974, J. Protozool., v. 21 (5), 694-698
Trypanosoma brucei brucei, T. b. rhodesiense, pleomorphic strains, quantitative differences in organelle composition during transformation from slender to stumpy blood forms, compared with monomorphic T. b. brucei

Strains
Borgatti, A. R.; et al., 1974, Atti Soc. Ital. Sc. Vet., v. 28, 849-854
Leishmania donovani, (3 strains), Leishmania tropica, analyses of long chain fatty acids, non polar lipids, phospholipids and phospholipid fractions, comparisons, possible use in evolutionary studies

Strains
Bos, H. J., 1975, Ztschr. Parasitenk., v. 47 (2), 119-129
Entamoeba histolytica, human, strains isolated from all 5 symptomatic cases but only 3 out of 10 asymptomatic carrier cases, axenic culture following monoxenic culture with Crithidia, media used; discussion of possible relationship between virulence of strain and ease of culture

Strains
Bos, H. J.; and Hage, A. J., 1975, Ztschr. Parasitenk., v. 47 (2), 79-89
Entamoeba histolytica, virulent and carrier strains from humans, cultured axenically or with bacteria or Crithidia or passaged through hamster liver, varying virulence in experimental hamster liver infections

Strains
Braun-Munzinger, R. A.; and Southgate, B. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 385 [Demonstration]
Onchocerca volvulus, 4 distinct types differentiated in 4 native villages of Togo

Strains
Brazil, R. P., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 359 [Letter]
rebuttal to previously published letter on the identification of Brazilian Leishmania strains and on the use of the name L. braziliensis; need for thorough differentiation from L. mexicana complex

Strains
Brener, Z.; et al., 1976, J. Protozool., v. 23 (1), 147-150
Trypanosoma cruzi in cell culture, strain-dependent thermosensitivity influencing amastigote-to-trypomastigote differentiation, may result from mutational adaptation

Strains
Brener, Z.; and Chiari, E., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 629-636
Trypanosoma cruzi strains in mice (exper.), effect of immunosuppressive agents (gamma radiation, cyclophosphamide, imuran, and 6-mercaptopurine) administered during the course of chronic infection

Strains
Bustos Ruiz, M.; and Perez Hernandez, M., 1975, Arch. Zootecn., Cordoba (95-96), v. 24, 259-265
Trichomonas gallinae, incidence in pigeons, importance of specific culture medium for accurate diagnosis and sanitary control, epidemiology of virulent and avirulent strains: Cordoba

Strains
Calderon, C.; and Thiermann, E., 1973, Bol. Chileno Parasitol., v. 28 (1-2), 10-14
Toxoplasma gondii, survival of virulent and non-virulent strains in rats

Strains
Callow, L. L.; Quiroga, Q. C.; and McCosker, P. J., 1976, Internat. J. Parasitol., v. 6 (4), 307-310
Babesia argentina, Anaplasma marginale, comparison of strains of each from Australia vs. Bolivia with indirect fluorescent antibody test showed serological identity of the two strains of each parasite, implications for vaccination; since earlier study showed serological identity between B. bovis and B. argentina, the small Babesia of Australia and South America should by priority be called B. bovis

Strains
Cantrell, W.; and Elko, E. E., 1976, Exper. Parasitol., v. 40 (2), 281-285
Wistar and Sprague-Dawley strains of rat differ in their ability to maintain phagocytic hyperactivity toward colloidal carbon during Plasmodium berghei infection

Strains
de Carneri, I.; and Trane, F., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 566-567
Giardia muris in SPF mice (exper.), lack of virulence and pathogenesis in strain maintained for 13 years in mouse colony

Strains
Chance, M. L.; Schnur, L. F.; and Thomas, S. C., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 113 [Demonstration]
African rodent leishmanias, biochemical taxonomic identification of 4 strains distinct from L. donovani

Strains
Chappel, L. R., 1975, Avian Dis., v. 19 (4), 679-682
HmL1 strain of Histomonas meleagridis, chicks, pathogenicity; three 1,2-disubstituted 5-nitroimidazoles tested to demonstrate applicability of disease model to chemotherapy

Strains
Chen, D. H.; Nussenzweig, R. S.; and Collins, W. E., 1976, J. Parasitol., v. 62 (4), 636-637
rat antisera against sporozoites of 6 primate Plasmodium spp. reacted in circum-sporozoite precipitation tests only with sporozoites of homologous species, geographically different strains of same species cross-reacted intensely however

Strains
Chernin, J., 1975, J. Helminth., v. 49 (4), 297-300
Taenia crassiceps, effects of strain and sex of mice and strain of metacestodes on volumes of metacestodes recovered

Strains
Chiu, J. K.; and Lu, S. C., 1974, Internat. J. Zoonoses, v. 1 (2), 75-81
Schistosoma japonicum, worm recovery rate of Ilan strain compared with other strains

Strains
Clarkson, M. J., 1976, Parasitology, v. 73 (2), viii [Abstract]
Trypanosoma brucei, differential serum IgM response in different strains of mice, immunosuppression to sheep red blood cells demonstrated in mice with both high and low IgM concentrations

Strains
Collins, W. E.; et al., 1976, J. Parasitol., v. 62 (2), 190-194
comparative infectivity of 2 strains of Plasmodium vivax to 4 strains of Anopheles albimanus as well as to A. freeborni and A. maculatus (all exper.)

Strains
Collins, W. E.; et al., 1977, J. Parasitol., v. 63 (1), 52-56
Plasmodium falciparum, Santa Lucia strain isolated from El Salvador, sensitive to commonly used antimalarial drugs, established in Aotus trivirgatus griseimembra (exper.), successful transmission from monkey to monkey both by transfusion of infected blood and through bites of infected Anopheles freeborni, A. maculatus, and A. albimanus (all exper.), description of course of infection, higher parasitemia and mortality in animals previously exposed to Plasmodium vivax, parasitemia in animals exposed to P. vivax and P. cynomolgi lower than those exposed to P. vivax only

Strains
Croft, S. L.; Schnur, L. F.; and Chance, M. L., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 113 [Demonstration]
Leishmania hertigi, morphologic and biochemical characterization of 8 strains

Strains
Cross, J. H., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 202-207
Schistosoma japonicum Indonesian strain, development in experimental hosts and vector snails, comparative measurements of adult worms

Strains
Crystal, M. M.; and Ramirez, R., 1975, J. Med. Entom., v. 12 (4), 418-422
Cochliomyia hominivorax, strains evaluated for laboratory adaptation and longevity, sexual aggressiveness, mating capacity and mating competitiveness, suitability for mass production and sterile male release

Strains
Csiza, C. K.; and McMartin, D. N., 1976, Lab. Animal Sc., v. 26 (5), 781-787
Myobia musculi, mouse breeding colony, dermatitis characterized by intense pruritus leading to self-mutilation and death, pathogenicity varies according to sex, age, mating ratios, sensitivity and strain of mice, dichlorvos + ronnel, good results

Strains
Cypess, R. H.; et al., 1977, Exper. Parasitol., v. 42 (1), 34-43
Heligmosomoides polygyrus, temporal, spatial, and morphological population characteristics in LAF$_1$ vs. A/He mice examined in order to determine possible mechanisms responsible for differences in expression of resistance between these two mouse strains

Strains
Cypess, R. H.; and Zidian, J. L., 1975, J. Parasitol., v. 61 (5), 819-824
Heligmosomoides polygyrus, development of self-cure and/or protection, influence of host genetic background (several inbred and outbred mouse strains) and various experimental conditions (route, dose, larval preparation)

Strains
De Jonckheere, J.; and Van de Voorde, H., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 10-15
Naegleria fowleri, evidence of proliferation of pathogenic strains in thermally polluted, biologically healthy water; isolates from discharges of thermal polluting factories highly virulent in mice (exper.), more amoeba present in summer than in winter: Belgium

Strains
De Jonckheere, J.; and Van de Voorde, H., 1977, J. Protozool., v. 24 (2), 304-309
Naegleria, 6 strains compared in structure, indirect fluorescent antibody test, effect of temperature on growth rate, effect of amphotericin B and fumagillin, growth and cytopathic effect upon Vero cell cultures, and pathogenicity for mice, results demonstrate occurrence of nonpathogenic variants of N. fowleri

Strains
Dennis, D. T.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 241-245
Plasmodium falciparum, Ethiopian strain, chloroquin tolerance with delayed recrudescence, humans: Ethiopia

Strains
DeVaney, J. A.; and Garcia, J. J., 1975, J. Med. Entom., v. 12 (5), 511-513
Cochliomyia hominivorax, 5 strains under laboratory conditions, longevity, oviposition, fertility

Strains
Dohnalova, M.; and Kulda, J., 1975, J. Protozool., v. 22 (3), 61A [Abstract]
Tritrichomonas foetus, 19 strains, pathogenicity assayed on laboratory mice inoculated subcutaneously or intraperitoneally

Strains
Donev, A., 1975, Vet. Med. Nauki, v. 12 (10), 65-69
Toxoplasma, isolation of strains, digestion of diaphragm musculature, sheep, cattle, pigs

Strains
Doran, D. J.; Vetterling, J. M.; and Augustine, P. C., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 77-80
Eimeria tenella, chickens, in vivo and in vitro comparison of Wisconsin, Weybridge, and Beltsville strains, pathogenicity, oocyst production, infectivity

Strains
Dubey, J. P.; Christie, E.; and Pappas, P. W., 1977, J. Infect. Dis., v. 136 (3), 432-435
Toxoplasma gondii from feces of naturally infected cats, pathogenicity and infectivity of 7 strains of oocysts and cysts compared by infecting mice (exper.) orally and intraperitoneally; cross-immunity of all strains, cysts less pathogenic than oocysts

Strains
Duke, B. O. L., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 97-107
Loa loa, behavioral aspects of human and simian strains which have contributed to divergent adaptive evolution with 2 separate host-vector complexes that seldom result in parasite interchange

Strains
Ebert, F., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 517-524
Leishmania donovani strains, characterization by disc electrophoresis, patterns of general protein staining, unspecific esterase, alkaline and acid phosphatases, species-specific fractions which may be instrumental in identification

Strains
Ebert, F., 1974, Tropenmed. u. Parasitol., v. 25 (1), 49-53
Leishmania tropica strains, electrophoretic patterns for proteins and enzymes which made characterization of strains possible, taxon-specific esterase bands which could be used in differentiating from L. donovani

Strains
Eling, W.; and Jerusalem, C., 1977, Tropenmed. u. Parasitol., v. 28 (3), 293-301
Plasmodium berghei, Swiss and C3H/StZ mice (exper.), evaluation of conditions that may affect immunizing capacity of inoculum; actual immunizing capacity depends on magnitude and time of initiation of sulfathiazole treatment after inoculation as well as conditions of storage, medium, and temperature; conditions leading to immunity are apparently strain specific

Strains
Farri, T. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 386 [Demonstration]
Entamoeba histolytica, clonal derivation of 8 cultured strains

Strains
Ferretti, G.; et al., 1972, Riv. Parassitol., Roma, v. 33 (3), 183-202
Vampirolepis nana, mathematical expression of parasite growth as function of population density: development in mice infected with 8, 24, 80, or 240 eggs; development in mice of various inbred strains; development in relation to host sex and age and duration of infection; development from different pools of eggs

Strains
Fox, E. G.; and Schacher, J. F., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 523
Brugia pahangi-infected syngeneic laboratory rat-strains, permits differential studies of cellular response elicited by filarial infection and possible analysis of effect of histocompatibility type on immunopathologic picture of infection in man

Strains
Fromentin, H., 1974, J. Protozool., v. 21 (3), 470 [Abstract]
Trypanosoma brucei gambiense strain M'Bala Victor, ability to protect against 2 heterologous strains (Eliane and Huguette), mice

Strains
Garcia, E. G., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 190-196
Schistosoma japonicum, morphometric data, strain comparisons, review of life cycle and reproduction

Strains
Garner, A.; Duke, B. O. L.; and Anderson, J., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 385-396
Onchocerca volvulus, rabbits, comparison of lesions produced in cornea of eye by microfilariae of forest vs. Sudan-savanna strains from Cameroon, observations confirm greater pathogenicity of Sudan-savanna strain

Strains
Goedbloed, E.; et al., 1973, Ann. Trop. Med. and Parasitol., v. 67 (1), 31-43
Trypanosoma brucei subgroup, antigenic types of 38 strains isolated from more than 73,000 Glossina spp. from 4 geographically separate areas, intra- and inter-area and intra- and inter-strain comparisons, direct agglutination test used primarily: Uganda and Kenya, East Africa

Strains
Goldberg, S. S.; et al., 1976, J. Protozool., v. 23 (1), 179-186
Trypanosoma cruzi strains Y and MR, epimastigotes and trypomastigotes, comparative kinetics of arginine and lysine transport

Strains
Golvan, Y.-J.; et al., [1976], Ann. Parasitol., v. 50 (5), 1975, 617-628
Schistosoma mansoni in different strains of Biomphalaria glabrata, parasite and host fecundity

Strains
Hajduk, S. L., 1976, Science (4229), v. 191, 858-859
Trypanosoma equiperdum, demonstration of kinetoplast DNA in dyskinetoplastic strains by fluorescence microscopy using 4,6-diamidino-2-phenylindole as fluorescent probe

Strains
Hawking, F., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 504-512
Trypanosoma brucei, T. rhodesiense, T. equiperdum, polymorphic strains, sensitivity to human plasma, composition and detailed analysis of typical strains using α_2-macroglobulin test

Strains

Hawking, F., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 513-520

Trypanosoma gambiense, T. rhodesiense, T. brucei, 60 polymorphic strains from East and West Africa, in vivo test of sensitivity or resistance to human plasma, application to infectivity for man

Strains

Hawking, F., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 427-430

Trypanosoma rhodesiense (6 clones of stabilate), polymorphic trypanosomes (12 clones of stabilate), tests for resistance to human plasma, indications for fundamental differences of genetic material

Strains

Hepler, D. I.; Lueker, D. C.; and Rubin, R., 1976, J. Parasitol., v. 62 (3), 491-492

Nematospiroides dubius, vaccination, immune response of outbred mouse strains stronger than inbred ones, oral route of administering larvae superior to subcutaneous route, steroid hormones blocked expression of immunity in subcutaneously vaccinated mice but not in orally vaccinated ones

Strains

Holbrook, T. W.; and Palczuk, N. C., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 704-706

Leishmania donovani, 2 geographic strains compared with respect to degree of resistance of recovered mice to homologous and heterologous strain challenge

Strains

Holbrook, T. W.; and Stauber, L. A., 1973, J. Protozool., v. 20 (3), 431-436

Leishmania donovani in chick embryos, effect of number of injected amastigotes on course of infection, differential behavior of several geographic strains, failure of promastigote-induced infection, infectivity of embryo-derived parasites for hamsters

Strains

Howells, R. E.; and Chiari, C. A., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 435-448

Trypanosoma cruzi, 2 strains, investigation of differences between slender and stout trypomastigotes, infectivity of different forms to mice, relationship between inoculum size, length of pre-patent period, and course of parasitemia, influence of whole-body X-irradiation and splenectomy of host on course of infection

Strains

Hughes, D. L.; Harness, E.; and Doy, T. G., 1976, Research Vet. Sc., v. 20 (2), 207-211

Fasciola hepatica, rats of PVG vs. SD strains, comparison of establishment and duration of infection and development of acquired resistance

Strains

Ilardi, A.; Guglielmi, S.; and Proietti, A.M., 1972, Parassitologia, v. 14 (2-3), 317-324

X-irradiation of Leishmania and leptomonas forms of strain 2S of Leishmania donovani, hamsters, protection increases as irradiation increases

Strains

James, C.; and Webbe, G., 1975, J. Helminth., v. 49 (3), 191-197

Schistosoma haematobium in hamsters, comparison of South African and Sudanese strains: host mortality, recovery of adult worms, growth of worms, uterine egg counts, distribution of eggs in hamster tissues

Strains

Jeffers, T. K., 1975, J. Parasitol., v. 61 (6), 1083-1090

Eimeria tenella, attempt to genetically alter developmental rate in order to elucidate mechanisms controlling length of prepatent period, selection for precociousness was accompanied by attenuation, lack of pathogenicity apparently due to defective second-generation schizogony

Strains

Kamei, K.; Sato, K.; and Tsunematsu, Y., 1976, J. Parasitol., v. 62 (5), 714

Toxoplasma gondii, IVCS strain mouse highly susceptible even to parasite strains of low virulence, use in diagnosis by animal inoculation

Strains

Katsube, Y.; et al., 1975, Japan. J. Vet. Sc., Tokyo, v. 37 (3), 245-252

Toxoplasma, latent infection in swine grouped according to presence or absence of gross lesions of lymph nodes and liver, comparison of site of localization and virulence of isolated strains for mice

Strains

Kennedy, C. R., 1976, Norwegian J. Zool., v. 24 (4), 465 [Abstract]

Eubothrium crassum and E. salvelini, 3 morphologically indistinguishable races of each as determined by geographic distribution, host specificity, life cycle, and biology

Strains

Ketteridge, D., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 486-487

Trypanosoma cruzi, fluorescent character distinguishing strains isolated from animals vs. man, epidemiological implications

Strains

Kierszenbaum, F., 1976, J. Parasitol., v. 62 (1), 134-135

Trypanosoma cruzi, no difference in susceptibility of Y and Tulahuen strains to immune lysis, exacerbation of infection with both strains by complement depletion, mice

Strains
Kierszenbaum, F.; and Howard, J. G., 1976, J. Immunol., v. 116 (5), 1208-1211
differences in susceptibility to and immunization against Trypanosoma cruzi (Y and Tulahuen strains) in Biozzi high vs. low responder mice, correlation between antibody-forming potential and susceptibility, protection of low responders by passive transfer of immune plasma

Strains
Kimber, C. D.; and Young, A. S., 1977, Ann. Trop. Med. and Parasitol., v. 71 (1), 1-10
Theileria mutans (Aitong), cattle infected by cyclical and mechanical transmission, response to infection studied using indirect fluorescent antibody technique with piroplasm and schizont antigens, indistinguishable reactions with different strains of T. mutans but easily distinguishable reactions from other Theileria spp.

Strains
Kitikoon, V.; Sornmani, S.; and Pathammavong, O., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 561-562 [Demonstration]
Schistosoma japonicum, differentiation of strains using the silver impregnation technique to demonstrate epidermal plates and papillae patterns among miracidia

Strains
Kitikoon, V.; Sornmani, S.; and Pathammavong, O., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 101-102 [Demonstration]
Schistosoma japonicum, ova of Laotian and Japanese strains, comparison of measurements

Strains
Kramar, J.; and Cerva, L., 1975, J. Protozool., v. 22 (3), 65A
Naegleria, differentiation of pathogenic from nonpathogenic strains by indirect fluorescent antibody test

Strains
Krettli, A. U.; and Brener, Z., 1976, J. Immunol., v. 116 (3), 755-760
Trypanosoma cruzi, trypomastigotes incubated with immune sera, agglutination and decreased infectivity of Y strain, no apparent effect with CL strain, demonstration of antigenic variation, role of humoral immunity further confirmed by protection conferred by passive transfer of antibodies

Strains
Kua-Eyre, S.-L.; and Honigberg, B. M., 1976, J. Protozool., v. 23 (2), 18A [Abstract]
Trichomonas vaginalis, 5 strains with different pathogenicity levels, antigenic analysis, some correlation seems to exist between antigenic composition and pathogenicity levels

Strains
Lai, C. H.; Tizard, I. R.; and Ingram, D. G., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 257-258 [Letter]
Toxoplasma gondii, strain maintained in mice (exper.), development of resistance to sulfadiazine

Strains
Leger, N.; et al., 1976, Compt. Rend. Acad. Sc., Paris, v. 283, s. D (2), 187-190
Schistosoma mansoni 3 strains (Guadeloupe, Puerto Rico, African), immunological response in Rattus norvegicus var. albinos and Rattus rattus, R. rattus shows weak immunological response to the American strains and persistent infection, this may explain its role in schistosomiasis epidemiology in Guadeloupe

Strains
Lewert, R. M.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 214-222
Schistosoma japonicum, technique for maintenance of snail vectors in laboratory, differences among strains of Oncomelania snails from the Philippines

Strains
Long, P. L., 1971, Symposia Brit. Soc. Parasitol., v. 9, 65-75
maintenance of Eimeria and Histomonas in vivo, extensive review: maintenance of Eimeria (purification of species, exper. infections in chickens, factors affecting susceptibility of chickens and chicken embryos to infection; freeze-preservation); maintenance of Histomonas meleagridis (infection with ground-up infected tissues; use of in vitro cultures to obtain in vivo infections; use of embryonated Heterakis gallinarum ova to induce histomoniasis in vivo)

Strains
Long, P. L.; Millard, B. J.; and Shirley, M. W., 1977, Parasitology, v. 75 (2), 177-182
Eimeria meleagrimitis from turkeys, oocyst measurements, sporulation and prepatent times, pathogenicity, cross-immunity tests, electrophoretic analysis of enzymes, documentation of strain variation shows that extreme caution should be used in identifying species of Eimeria from the turkey by their oocyst characters

Strains
Luckins, A. G.; and Rae, P., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 286 [Demonstration]
Trypanosoma evansi, sera from rabbits infected with clone strains of two isolates (one from West Africa and one from South America), serological comparison using micro-enzyme-linked immunsorbent assay

Strains
McDougald, L. R.; and Jeffers, T. K., 1976, J. Protozool., v. 23 (4), 530-534
Eimeria tenella precocious vs. normal strains, comparative development in vitro, pathogenicity attenuation and reduction of prepatent period in precocious strain clearly resulted from omission of portion of life cycle (2nd generation schizogony)

Strains
McKenna, P. B., 1973, Research Vet. Sc., v. 14 (3), 312-316
Haemonchus contortus, two morphologically and geographically distinct strains, effect of storage at 5 or 21°C for varying intervals on infectivity and parasitic development of third-stage larvae in sheep, evidence that small proportion of infective larvae may be innately 'inhibition-prone' and that effect of season on host or ageing of infective larvae or both may be contributory to changes in level of inhibition

Strains
Mahoney, D. F.; and Wright, I. G., 1976, Vet. Parasitol., v. 2 (3), 273-282
Babesia argentina, cattle, immunization with killed antigen against infection with heterologous strain, effect of vaccination on certain pathological parameters

Strains
Manger, B. R., 1976, Parasitology, v. 73 (2), xiii-xiv [Abstract]
Nematospiroides dubius, mice, anthelmintic-terminated immunizing infections (Cambendazole selected as most active), variation in degree of protection between host strains, timing of termination of immunizing infection indicated exsheathment per se not essential in production of resistance, protection could not be transferred with serum alone

Strains
Mannweiler, E.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (1), 23-25
Plasmodium falciparum, P. vivax, strain related differences in immunodiagnosis, antigen variations as cause of antibody titer differences

Strains
Marsden, P. D.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 247-251
Trypanosoma cruzi, rhesus monkeys (exper.), xenodiagnosis superior to blood culture or animal inoculation in detecting subpatent infection, serological reactions during early chronic phase and reactions to challenge with different strain, possible application as model for human infections

Strains
Mattei, D. M.; et al., 1977, FEBS Letters, v. 74 (2), 264-268
Trypanosoma cruzi, biochemical strain characterization by restriction endonuclease cleavage of kinetoplast-DNA, comparison to Herpetomonas samuelpessoai, possible application in kinetoplastid taxonomy

Strains
Mattern, C. F. T.; and Keister, D. B., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 393-401
axenically cultured Entamoeba histolytica in mice (brain) (exper.), pathology and pathogenicity of virulent and avirulent strains, variations in host response related to host age

Strains
Mattern, C. F. T.; and Keister, D. B., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 402-411
axenically cultured Entamoeba histolytica in newborn hamsters (liver) (exper.), pathology of hepatic infections, variations in strain virulence, host response related to host age

Strains
Mayberry, L. F.; et al., 1975, J. Protozool., v. 22 (3), 28A [Abstract]
Eimeria separata will complete life cycle only in certain strains of mouse

Strains
Mello, M. N.; and Deane, M. P., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 381-388
Trypanosoma cruzi 4 strains, patterns of development in embryonated chicken egg, effect of temperature

Strains
Menezes, H., 1976, Tropenmed. u. Parasitol., v. 27 (4), 418-421
Trypanosoma cruzi, epimastigote forms of avirulent strain successfully used to immunize mice (exper.) against challenge with a virulent homologous strain

Strains
Mercado, T. I., 1976, Exper. Parasitol., v. 40 (3), 411-420
Trypanosoma cruzi, 3 strains compared in mice, activity of various lactate dehydrogenase isoenzymes in relation to localization of histopathology

Strains
de Meuter, F., 1972, Medecine et Malad. Infect., v. 2 (10), 345-346
4 strains of human Toxoplasma gondii isolates lethal in new-born rats but tolerated by adult rats

Strains
de Meuter, F.; Fameree, L.; and Cotteleer, C., 1975, J. Protozool., v. 22 (3), 78A-79A [Abstract]
Toxoplasma gondii virulent and avirulent strains, pregnant and nonpregnant sows (exper.), passage to piglets, variable behavior of strains

Strains
Miles, M. A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 256 [Letter]
Trypanosoma cruzi, virulent and avirulent strains, cloning of cultures on 4N medium

Strains
Miles, M. A.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (3), 217-225
culture forms of 17 Trypanosoma cruzi stocks differentiated by means of electrophoretic patterns of 6 enzymes into 2 distinct strain-groups (one derived from human and domiciliated animals and the other from sylvatic stock and triatome species); evidence that the 2 strain-groups' transmission cycles do not overlap and are of different origins: Brazil

Strains
Mitchell, G. F.; et al., 1976, Internat. Arch. Allergy and Applied Immunol., v. 52 (1-4), 64-78
Ascaris suum, mouse strain variation in susceptibility, resistance to second infection, comparison of susceptibility of normal vs. hypothymic nu/nu mice, appearance of antibodies in infected mice reacting with phosphorylcholine

Strains
Mitchell, G. F.; Goding, J. W.; and Rickard, M. D., 1977, Austral. J. Exper. Biol. and Med. Sc., v. 55 (2), 165-186
Taenia taeniaeformis (Cysticercus fasciolaris), mice, antibodies and complement as factors influencing susceptibility/resistance; markedly increased susceptibility of certain complement-deficient mouse strains (in particular, males), of hypothymic mice, and of cyclophosphamide-treated mice; impressive protective activity of immune serum

Strains
Miyata, A., 1975, Nettai Igaku (Trop. Med.), v. 17 (2), 55-64
Trichomonas vaginalis, 5 strains, effects of time and temperature on preservation with glycerol or dimethyl sulfoxide, survival rate after freezing and thawing procedure

Strains
Miyata, A., 1976, Nettai Igaku (Trop. Med.), v. 18 (3), 113-124
Toxoplasma gondii, RH and Beverley strains, attempts to change virulence using antitoxoplasma drugs and steroids, variations in mouse (exper.) survival time

Strains
Morzaria, S. P.; et al., 1977, Research Vet. Sc., v. 22 (3), 330-333
Theileria mutans, comparison of British strain with East and South African strains and other Theileria spp. using indirect fluorescent antibody test, no cross-reactions were detected, concluded that British strain of T. mutans could be a distinct species from African strains of T. mutans

Strains
Muehlpfordt, H.; and Garcia, W., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (2), 133-142
Trypanosoma lewisi (London) strain reidentified as a strain of T. cruzi

Strains
Muehlpfordt, H.; and Schottelius, J., 1977, Tropenmed. u. Parasitol., v. 28 (1), 1-7
attempted differentiation of Trypanosoma cruzi strains and T. cruzi-like strains from T. rangeli and T. conorhini using agglutination reactions to protectin from sponges and lectin from Soja hispida

Strains
Nakabayashi, T.; et al., 1974, Nettai Igaku (Trop. Med.), v. 16 (1), 1-10
Plasmodium falciparum, strain resistant to chloroquine discovered in Iwahig Penal Colony, Philippines

Strains
Nayebi, M., 1971, Med. Lab. Tech., v. 28 (4), 413-416
differentiation of Entamoeba histolytica K9 and Shirazi strains using immunofluorescence to establish antigenic constitution

Strains
Neal, R. A.; and Harris, W. G., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 429-430 [Demonstration]
Entamoeba histolytica, attempted infections of inbred strain mice and rats, PVG/C rats and C3H/mg mice suitable for study as possible laboratory hosts

Strains
Norton, C. C.; and Hein, H. E., 1976, Parasitology, v. 72 (3), 345-354
Eimeria maxima, comparison of 3 strains (Weybridge, Houghton, and a fresh field isolate), oocyst measurements, pathogenicity, oocyst production, immunity to homologous not heterologous challenge, chickens

Strains
Olisa, E. G.; et al., 1977, Exper. Parasitol., v. 41 (2), 307-313
Toxoplasma gondii RH strain, differences in survival time of four strains of mice each infected with various doses

Strains
Oteng, A. K., 1973, Bull. Epizoot. Dis. Africa, v. 21 (4), 449-459
Uganda strain of Theileria parva, cattle (exper.), symptoms, fever, haematology, parasitaemia, pathology, transmission by blood and Rhipicephalus appendiculatus, no cross-immunity between strains of T. parva

Strains
Paige, C. J.; and Craig, G. B., jr., 1975, J. Med. Entom., v. 12 (5), 485-493
Brugia pahangi, variation in susceptibility among 29 strains of Aedes aegypti, possible implications for role of A. aegypti as vector of human filariasis in East Africa

Strains
Paris, J.; Wilson, A. J.; and Gray, A. R., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 45-51
Trypanosoma brucei, 11 stabilates (prepared from isolates collected from cattle and tsetse flies in three areas of East Africa), serologic comparison of predominant variant antigens by direct agglutination tests, more sensitive in detection of antigenic relationships than comparisons founded on basic strain antigens

Strains
Pautrizel, A. N.; et al., 1977, Compt. Rend. Acad. Sc., Paris, v. 284, s. D (21), 2187-2190
Trypanosoma equiperdum, influence of ambient temperature on development in mice, depends on individual and strain of host, hyperthermia may stimulate host defense mechanisms

Strains
Pieragostini, E.; et al., 1974, Atti Soc. Ital. Sc., v. 28, 854-857
Leishmania donovani (3 strains), Leishmania tropica, analysis of sterols, comparison; cholesterol possibly from culture medium

Strains
Pinero Venegas, F.; and Guevara Pozo, D., 1973, Rev. Iber. Parasitol., v. 33 (1), 3-10
Trichinella spiralis, differences in susceptibility of two strains of laboratory mice measured by survival time of mice and degree of muscular infestation

Strains
Purnell, R. E.; et al., 1976, J. Comp. Path., v. 86 (4), 609-614
Babesia divergens, statistical comparison of isolates from England, Eire, Scotland and Wales with Weybridge strain, pathogenicity for splenectomized calves

Strains
Radley, D. E.; et al., 1975, Vet. Parasitol., v. 1 (1), 35-41
Bos taurus, chemoprophylactic (oxytetracycline) immunization against Theileria parva (Muguga) or each of 5 recently-isolated theilerial strains (4 T. parva and 1 T. lawrencei), response to homologous and heterologous challenge

Strains
Radley, D. E.; et al., 1975, Vet. Parasitol., v. 1 (1), 43-50
Bos taurus immunized either by chemoprophylaxis (oxytetracycline) or sub-lethal infection against various strains of Theileria lawrencei or T. parva, response to homologous and heterologous challenge

Strains
Radley, D. E.; et al., 1975, Vet. Parasitol., v. 1 (1), 51-60
Bos taurus, chemoprophylactic (oxytetracycline) immunization using a combination of theilerial strains (Theileria parva and T. lawrencei), response to challenge better than animals immunized with only 1 or 2 strains

Strains
Rao, V. G.; and Padma, M. C., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 606-616
Entamoeba histolytica in rats (exper.), strain variations in pathogenicity, pathology of lesions, role of host nutrition in pathogenesis

Strains
Rasin, K.; and Kovarik, K., 1973, Vet. Med., Praha, v. 46, v. 18 (10), 625-631
Toxoplasma, incidence in guinea pigs shown by complement fixation test, incidence by sex; isolation of 31 strains, low pathogenicity for mice

Strains
Reikvam, A.; and Lorentzen-Styr, A. M., 1976, Nature, London (5560), v. 261, 508-509
Toxoplasma gondii, mice infected with Beverley strain and reinfected with RH strain, 14-18 months after challenge Toxoplasma with full virulence of RH strain could be isolated from some mice, in brains of others only immunizing (Beverley) strain could be found, implications for human infections

Strains
Ribeiro, R. D.; and Pereira Barretto, M., 1975, Rev. Brasil. Biol., v. 35 (2), 301-307
Trypanosoma cruzi, ten strains, isolated from man, wild mammals and triatomines, behavior in culture medium over one year, variations in presence of trypomastigotes, epimastigotes and amastigotes

Strains
Ribeiro, R. D.; and Pereira Barretto, M., 1977, Rev. Brasil. Biol., v. 37 (1), 195-200
Trypanosoma cruzi strain isolated from Caluromys lanatus ochropus, pathogenic for mice, marsupial strain easily cultivated and has high infectivity for triatomines tested: Teofilo Otoni, M. G., Brazil

Strains
Richards, C. S., 1976, Bull. World Health Organ., v. 54 (6), 706-707
Schistosoma mansoni strain variations in infectivity for Biomphalaria glabrata, importance of recognizing potential for genetic differences in infectivity for vector snails

Strains
Rivera-Ortiz, C.-I.; and Nussenzweig, R., 1976, Exper. Parasitol., v. 39 (1), 7-17
Trichinella spiralis, differential ability of several inbred mouse strains of different histocompatibility locus specificities to produce reagin and IgG_1 antibodies in response to infection, relationship between production of anaphylactic antibodies and larval and adult recoveries, stage of life cycle which induces antibody formation

Strains
Roberts, J. F.; and Muse, K. E., 1973, J. Protozool., v. 20 (4), 503
Trypanosoma equiperdum, comparison of kinetoplastic and dyskinetoplastic strains

Strains
Robson, J.; and Rickman, L. R., 1973, Trop. Animal Health and Prod., v. 5 (3), 187-191
Trypanosoma brucei subgroups, identified by blood incubation infectivity test, non-human hosts: Lambwe Valley, South Nyanza, Kenya

Strains
Rodriguez, P. H., 1973, J. Med. Entom., v. 10 (2), 194-197
Brugia pahangi in Aedes aegypti (exper.), susceptibility of different strains to infection

Strains
Rollinson, D., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 436-437 [Demonstration]
Eimeria spp., attempted differentiation of chicken coccidia by electrophoretic variation of enzymes

Strains
Rondanelli, E. G.; et al., 1972, Parassitologia, v. 14 (2-3), 357-363
Entamoeba coli, trophozoites, electron microscopy, comparison of strains from London and Milano in in vitro culture

Strains
Schenone, H.; et al., 1972, Bol. Chileno Parasitol., v. 27 (1-2), 11-14
experimental trials using lampit to treat human chronic Chagas disease, successful cures except for a few continued positive xenodiagnostic results suggesting an existing resistant strain of Trypanosoma cruzi: Chile

Strains
Schmidt, L. H.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 612-622
Plasmodium knowlesi, differences in virulence for Macaca irus strains depending on their Philippine or Malayan origins, possible application to production of merozoite vaccines and evaluation of efficacy

Strains
Schmidt, L. H.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 837-849
Plasmodium cynomolgi in Macaca mulatta, P. vivax and P. falciparum in Aotus trivirgatus griseimembra (both exper.), therapeutic potentiation with combinations of pyrimethamine and sulfonamides, good response in pyrimethamine susceptible and resistant strains except for Malayan Camp and Vietnam Smith strains of P. falciparum

Strains
Schnur, L. F.; and Chance, M. L., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 14 [Demonstration]
Leishmania strains from Sudan, Kenya and Ethiopia, comparison of strain differentiation methods

Strains
Schnur, L. F.; and Zuckerman, A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 434-435 [Demonstration]
Leishmania spp. from Sudan, Ethiopia and Kenya, differentiation of leishmanial serotypes

Strains
Schnur, L. F.; and Zuckerman, A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 15 [Demonstration]
Israeli leishmanial strains, excreted factor serotypes

Strains
Schnur, L. F.; and Zuckerman, A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (3), 273-294
Sudanese, Kenyan and Ethiopian leishmanial isolates from human visceral and cutaneous infections, various wild animals and sandflies, leishmanial excreted factor (EF) serotypes determined by gel diffusion, discussion of distribution and relationships

Strains
Seitz, H. M., 1975, Tropenmed. und Parasitol., v. 26 (4), 417-425
Plasmodium berghei, strain K 173 in isogenic mouse strains (exper.), infection course, immunization by intermittent suppression of parasite multiplication by maintaining mice on milk diets of varying lengths, F1-hybrids most resistant and immunization attempts most successful with this strain

Strains
Shchukin, P. I., 1977, Izvest. Akad. Nauk SSSR, s. Biol. (4), 589-601
ascarids, toxic substances in metabolic products producing changes in blood serum proteins in various strains of rats as reflecting genotypical differences among strains

Strains
Shute, P. G.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 474-481
Plasmodium vivax, delayed incubation in North Korean strain characterized by predominantly prolonged prepatent period, study shows that number of sporozoites influences length of prepatent period

Strains
Siddiqui, M. A.; and Kershaw, W. E., 1976, Ann. Trop. Med. and Parasitol., v. 70 (3), 313-322
Litomosoides carinii, laboratory transmission to Delhi and Carworth strains of Rattus norvegicus, relationships between transmission intensity and worm recovery, possible age resistance

Strains
Silard, R.; Stoicescu, V.; and Dunareanu, G., 1975, Arch. Roumaines Path. Exper. et Microbiol., v. 34 (4), 313-328
Entamoeba histolytica, electron microscopic study of autochthonous Romania strain with emphasis on phagocytosis

Strains
Simon Vicente, F.; et al., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 95-103
Schistosoma bovis, Spanish strain usually transmitted by Planorbarius metidjensis, experimental infection of Bulinus truncatus from Portugal, Egypt and Chad, comparison of infection rates, mortality, cercarial production and snail survival

Strains
Smith, M. A.; and Clegg, J. A., 1976, Parasitology, v. 73 (1), 47-52
Schistosoma mansoni, Mesocricetus auratus of WO vs. LGN strains, wide difference in level of acquired immunity

Strains
Smyth, J. D., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 93-100
Echinococcus granulosus, strain differences with special reference to horse strain now the major strain in the United Kingdom and Ireland, unknown potential to infect man, symposium report, genetics of strain formation and speciation

Strains
Sornmani, S., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 208-213
Schistosoma japonicum, morphologic properties of Mekong schistosome compared with classical strains, 3 races of Lithoglyphopsis aperta established as vector snail of Mekong schistosome in Laos

Strains
Sornmani, S.; et al., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 218-225
Schistosoma japonicum, Mekong strain, life cycle

Strains
Sornmani, S.; Kitikoon, V.; and Schneider, C., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 575 [Demonstration]
Schistosoma japonicum-like trematode, experimental life cycle studies show ova to be rounder and smaller than classical Schistosoma japonicum and therefore postulated that parasite is new geographical strain or subsp.

Strains
Stankiewicz, M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 39-46
Strongyloides papillosus larvae, sheep and rabbit strains, responses to light of various intensities, desiccation and temperature; pattern of migration from water by dense group of larvae; reaction to various chemicals; destruction by fungi; no differences between strains

Strains
Stankiewicz, M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 147-159
Strongyloides papillosus, sheep, repeated infections with sheep and rabbit strains, egg production, hematocrit, body weight; lower pathogenicity of rabbit-adapted strains, high immunity produced by both strains

Strains
Stone, B. F.; Nolan, J.; and Schuntner, C. A., 1976, Austral. J. Biol. Sc., v. 29 (3), 265-279
Boophilus microplus, 3 strains, biochemical genetics of resistance to organophosphorus acaricides: inheritance of decreased brain acetylcholinesterase activity, inheritance of decreased AChE sensitivity, inheritance of increased detoxication

Strains
Stone, B. F.; Wilson, J. T.; and Youlton, N. J., 1976, Austral. J. Biol. Sc., v. 29 (3), 251-263
Boophilus microplus, 3 strains, linkage and dominance characteristics of genes for resistance to organophosphorus acaricides and allelic inheritance of decreased brain cholinesterase activity

Strains
Sucharit, P.; et al., 1977, Ann. Trop. Med. and Parasitol., v. 71 (4), 401-405
Plasmodium falciparum, evaluation of relationships between chloroquine concentrations in in vitro cultures which inhibit maturation of asexual erythrocytic forms of parasite strains found in Thailand and the in vivo response of 3 parasite strains

Strains
Sullivan, J. T.; Palmieri, J. R.; and Ow-Yang, C. K., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (1), 133-134 [Demonstration]
Fasciola gigantica, occurrence of sporocyst generation in Lymnaea rubiginosa (exper.), possible strain variations in patterns of larval development

Strains
Takayanagi, T.; Enriquez, G. L.; and Kambara, H., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 308-312
Trichomonas vaginalis, determination of amylase isozymes by starch gel electrophoresis in order to establish parasite strains

Strains
Taylor, A. E. R.; and Williams, J. E., 1977, Parasitology, v. 75 (2), xxiii [Abstract]
Trypanosoma spp., possibility of characterizing species and strains using differences in polypeptide profiles on sodium dodecyl sulphate polyacrylamide gel electrophoresis

Strains
Taylor, M. G.; et al., 1977, J. Helminthol., v. 51 (4), 337-345
Schistosoma mattheei, modification of pathogenicity for sheep by passage in hamsters

Strains
Thompson, R. C. A., 1977, Internat. J. Parasitol., v. 7 (4), 281-285
Echinococcus granulosus, comparison of British horse and sheep strains in dogs, growth, segmentation, and maturation, emphasizes existence of physiological differences between the two strains

Strains
Thoongsuwan, S.; and Cox, H. W., 1973, Ann. Trop. Med. and Parasitol. v. 67 (4), 373-385
Babesia rodhaini, 3 antigenic variants selected by in vitro treatment with immune globulin, each of 3 strains caused nonspecific serum antigen associated with acute plasmodial and babesial infections to be elaborated without variation or diminution, implications for mechanism of relapse of latent infection

Strains
Tompel, H.; Teras, J.; and Podar, U., 1975, Eesti NSV Teaduste Akad. Toimetised, Biol., v. 24 (3), 241-254
Trichomonas hominis interstrain virulence, effects of passage in vitro and in white mice

Strains
Trissl, D.; et al., 1977, J. Exper. Med., v. 145 (3), 652-665
Entamoeba spp., pathogenic strains show cell surface properties different from those of nonpathogenic strains as evidenced by concanavalin A-induced agglutination studies

Strains
Ucros, H.; Leon, W.; and Krassner, S. M., 1977, Exper. Parasitol., v. 41 (2), 410-414
Trypanosoma cruzi, Y and Costa Rica strains compared, effect of ethidium bromide on growth, dyskinetoplasty, and respiration

Strains
Uilenberg, G.; et al., 1976, Tropenmed. u. Parasitol., v. 27 (3), 329-336
Theileria parva, cattle immunized by infection and treatment method using 3 strains of T. parva survived exposure to natural tick infestation; all controls died from T. parva infections, 3 immunized cattle died from T. mutans or Babesia bigemina infection but none from T. parva

Strains
Ungureanu, E.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 482-483
Plasmodium vivax, tropical and temperate strain differences probably resulting from production of 2 types of sporozoites, type I in tropical strain eliciting short prepatent period and type II in temperate strain eliciting long prepatent period, relapse of P. vivax possibly delayed parasitemia from type II sporozoites

Strains
Vinayak, V. K.; and Chitkara, N. L., 1976, Indian J. Med. Research, v. 64 (10), 1443-1445
Entamoeba histolytica, 17 strains, selective ability to hemolyse red blood cells could be utilized as a parameter for differentiation of strains

Strains
Vinayak, V. K.; and Chitkara, N. L., 1976, Indian J. Med. Research, v. 64 (10), 1446-1450
Entamoeba histolytica, Laredo strain rarely if ever encountered, 32 strains differentiated: India

Strains
Wakelin, D.; and Lloyd, M., 1976, Parasitology, v. 72 (2), 173-182
Trichinella spiralis, young and older NIH strain mice, dynamics of establishment and expulsion of primary and challenge infections, parameters of immunity must be established for each host strain

Strains
Waldeland, H., 1977, Acta Vet. Scand., v. 18 (2), 248-256
Toxoplasma gondii, sheep experimentally infected with sheep strain and RH strain, no significant changes in blood values, T. gondii cysts recovered from meat samples of lambs inoculated with sheep strain, but not from lambs inoculated with RH strain

Strains
Webbe, G.; James, C.; and Nelson, G. S., 1974, Ann. Trop. Med. and Parasitol., v. 68 (2), 187-203
Schistosoma haematobium in Papio anubis as a laboratory model, 3 parasite strains compared, parasitological, clinical and pathological features, histological changes in male and female genital organs particularly striking

Strains
Wells, R. F., 1971, Mil. Med., v. 136 (3), 288-291
Schistosoma japonicum, small strain variant with questionable pathogenicity for humans, case report in woman with minimal symptoms but significant serologic response, evidence of extensive rectal and hepatic involvement: Texas (had been employed in Laos)

Strains
Werner, H., 1968, Bol. Chileno Parasitol., v. 23 (3-4), 95-98
Toxoplasma, strains of varying virulence, mouse mortality after oral vs. intraperitoneal infection, variation in dye-test titers in relation to cyclic development of parasite

Strains
Wheeling, C. H., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 198-201
Schistosoma japonicum, comparative review of biologic properties of Chinese and Formosan strains

Strains
Wosu, L. O., 1977, Austral. Vet. J., v. 53 (7), 340-341
Tritrichomonas foetus, serotyping of isolates from a bull and infected cows showed that strain in bull had apparently changed from var. brisbane to var. belfast over a four-month period, techniques in serotyping of strains, possible cause of change in serotype, possible mixed infection initially, with predominant strain later eliminated

Strains
Wright, C. A.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 287 [Demonstration]
Schistosoma, African strains, characterization and differentiation by enzyme patterns

Strains
Zardi, O.; et al., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 1-8
Toxoplasma gondii, survey, incidence, chickens, dye test and immunofluorescence, seven strains isolated by inoculation and serial passage in mice: Lazio, vicinity of Rome

Strains
Zielke, E., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (1), 36-44
Culex pipiens fatigans, Aedes aegypti, selection of strains differing in susceptibility to Dirofilaria immitis, demonstrated that inheritance of susceptibility in Aedes aegypti is controlled by sex-linked recessive gene, also found that susceptibility to infection with Brugia pahangi is on same chromosome but in different locus

Stress
Andersen, K., 1973, Norwegian J. Zool., v. 21 (4), 341-350
Diphyllobothrium dendriticum plerocercoids in Mesocrisetus auratus, Larus canus, and Alopex lagopus (exper. in all), frequency of primary vs. secondary strobilae in relation to host, age of worms, and density of infection compared with D. latum in M. auratus and A. lagopus and D. ditremum in M. auratus, primary strobilae appear in some individuals in response to unfavorable conditions; regeneration and/or growth studies show that rounded posterior segment in young D. dendriticum is not necessarily posterior 'end' of plerocercoid

Stress
Boyce, N. P.; and Yamada, S. B., 1977, J. Fish. Research Bd. Canada, v. 34 (5), 706-709
Eubothrium salvelini in Oncorhynchus nerka, higher susceptibility of infected salmon to zinc than uninfected salmon: outlet of Babine Lake, central British Colombia

Stress
Brambilla, E.; Galli, L.; and Caprotti, M., 1974, Riv. Parassitol., Roma, v. 35 (4), 237-244
Plasmodium berghei in Mus musculus subject to thermal stress or whole-body irradiation, lower dose of chloroquine is therapeutically effective

Stress
Breed, G. M.; and Olson, R. E., 1977, J. Invert. Path., v. 30 (3), 387-405
Pleistophora crangoni n. sp. in Crangon spp., prevalence and intensity in relation to season and host size, parasitic castration of females, shift in host sex ratio toward females, unsuccessful laboratory transmission experiments, spread of infection through shrimp, infected shrimp succumbed to low oxygen stress before uninfected shrimp, histopathology

Stress
Church, E. M.; Georgi, J. R.; and Robson, D. S., 1976, Cornell Vet., v. 66 (3), 333-336
Dirofilaria immitis, microfilarial periodicity, dogs, statistical analysis, variation in peak hours; emotional or environmental stresses may obscure periodicity

Stress
Cianci, P.; et al., 1972, Mil. Med., v. 137 (3), 113-114
Plasmodium falciparum, war casualties, stress of surgical repair of wounds and anesthesia as factor in development of clinical malaria

Stress
Eberhard, M. L.; and Rabalais F. C., 1976, Exper. Parasitol., v. 40 (1), 5-12
Dipetalonema viteae in Meriones unguiculatus, hypo- and hyperthermic stress resulted in increased numbers of microfilariae in peripheral blood, microfilariae do not exhibit cyclic periodicity

Stress
Esch, G. W.; Gibbons, J. W.; and Bourque, J. E., 1975, Am. Midland Naturalist, v. 93 (2), 339-353
analysis of relationship between stress and parasitism

Stress
Floyd, R. D.; and Nollen, P. M., 1977, J. Parasitol., v. 63 (1), 87-90
Schistosoma mansoni, development and movement of reproductive cells, effects of stressful conditions (in vitro culture system, intraperitoneal maintenance in hamsters, unisexual transplants in hamsters)

Stress
Gross, W. B., 1976, Poultry Science, v. 55 (4), 1508-1512
Eimeria necatrix, chickens with high levels of plasma corticosterone housed in environment of considerable social interaction had more active phagocytic defense and fewer schizonts than chickens with low levels of plasma corticosterone housed in environment with minimized social interaction

Stress
Gysin, J.; and Le Corroller, Y., 1976, J. Parasitol., v. 62 (5), 697
Schistosoma mansoni, total absence of adult parasites in mice previously subjected to thermal stress, cercariae did penetrate but it appears that inflammatory reaction blocked development

Stress
Hall, R. D.; and Gross, W. B., 1975, J. Parasitol., v. 61 (6), 1096-1100
Ornithonyssus sylviarum, chickens artificially selected for high or low levels of plasma corticosterone response to stress and housed to promote high or low levels of social interaction, effect on development of mite populations, host sex differences

Stress
Hopkins, C. A.; and Zajac, A., 1976, Parasitology, v. 73 (1), 73-81
Hymenolepis diminuta, transplanted into various classes of mice (naive mice receiving cortisone, naive mice, irradiated naive mice, immunized mice, irradiated immunized mice), differences in time course of rejection response, surgical stress as a possible source of error

Stress
Kocan, A. A., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 237-241
influence of Nippostrongylus brasiliensis on establishment of Angiostrongylus cantonensis, role of various organs, laboratory rat

Stress
Kocan, R. M.; and Perry, M. C., 1976, J. Wildlife Dis., v. 12 (1), 30-33
Plasmodium sp. associated with high mortality in captive wild-trapped Aythya valisineria: Chesapeake Bay

Stress
Lightner, L. K., 1975, J. Parasitol., v. 61 (5), 972-973
Schistosoma douthitti, mice, effect of heat-stress and cold-stress on worm burden

Stress
Lightner, L. K., 1977, Iowa State J. Research, v. 52 (1), 5-7
Schistosoma mansoni, mice (exper.), effects of environmental heat stress, results indicate that mice subjected to hot temperatures are less suitable hosts for schistosomes than mice maintained at normal room temperatures

Stress
Lom, J., 1973, J. Protozool., v. 20 (4), 537
Trypanosoma and Trypanoplasma from freshwater fishes, cross-infection experiments reveal low degree of host specificity, stress increases susceptibility to infection

Stress
Lund, E. E.; and Chute, A. M., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 73-76
larval Heterakis gallinarum, reciprocal transfer between Phasianus colchicus and Coturnix coturnix japonica, influence of early development in incompatible host on subsequent development; effect on liberation of Histomonas meleagridis and Parahistomonas wenrichi and transmission of H. meleagridis

Stress
Mandarini-Galli, L.; Brambilla, E.; and Sacchi, L., 1974, Riv. Parassitol., Roma, v. 35 (4), 253-260
Plasmodium gallinaceum, chicks, course of infection (parasitemia, symptomatology, mortality) varies with ambient temperature

Stress
Matthiesen, T.; Kunstyr, I.; and Tuch, K., 1976, Ztschr. Versuchstierk., v. 18 (3), 113-120
Hexamita muris infection in laboratory mice and hamsters, clinical and pathohistological findings, pathogenicity resulting from stress conditions

Stress
Moore, M. N.; and Halton, D. W., 1976, Exper. Parasitol., v. 40 (2), 212-224
Fasciola hepatica, enzyme histochemistry in juvenile vs. adult flukes and in infected mouse liver (cytopathological changes), effects of exper. starvation of flukes on levels of staining and distribution of hydrolytic enzymes

Stress
O'Neill, P. A.; and Parfitt, J. W., 1976, Vet. Rec., v. 98 (16), 321-323
Isospora suis, minimal disease pig herd, observations under non-experimental conditions, oocysts with sporoblasts recovered in infected pig feces 24 hours after collection, prepatent and patent periods, development of active acquired immunity following infection not affected by stress of farrowing

Stress
Otieno, L. H., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 856-869
Trypanosoma brucei, effect of irradiation or cyclophosphamide on course of infection in heat-stressed mice, reduced pathogenic effects in spite of elevated parasitemia, tempting to suggest that direct effect of temperature on trypanosomes was responsible for lowered pathogenicity, many bizarre morphological forms

Stress
Pascoe, D.; and Cram, P., 1977, J. Fish Biol., v. 10 (5), 467-472
Schistocephalus solidus-infected Gasterosteus aculeatus, response of fish to toxic action of cadmium under stress of parasitism, parasitized fish had a considerably shorter survival time

Stress
Pascoe, D.; and Mattey, D., 1977, Ztschr. Parasitenk., v. 51 (2), pp. 179-186
Schistocephalus solidus-parasitized Gasterosteus aculeatus, 3 different feeding levels, compared with parasite-free fish; parasitized fish on restricted diets died before parasite-free fish; feeding rate to maintain total body weight higher in parasite-free fish, may reflect greater gross efficiency of parasite

Stress
Preston, A. M.; and El-Khatib, S. M., 1977, J. Parasitol., v. 63 (5), 943-945
Schistosoma mansoni, mice, stress of pregnancy did not appear to increase number of worms developed as compared to non-pregnant controls

Stress
Reid, W. M.; et al., 1976, Poultry Science, v. 55 (4), 1436-1441
Eimeria tenella, E. acervulina, chickens, high environmental temperatures, reduction of anticoccidial feed intake, results suggest decreases in feed and anticoccidial intake during heat-stress could seldom cause coccidiosis breaks under field conditions

Stress
Richey, T. J.; and Rodriguez, P. H., 1976, J. Parasitol., v. 62 (4), 655-656
Brugia pahangi in Aedes aegypti, effects of gamma radiation on development

Stress
Rodriguez, P. H., 1975, J. Med. Entom., v. 12 (4), 447-450
Brugia pahangi, developing larvae in 3 susceptible strains of Aedes aegypti, decrease in susceptibility in high temperature stress

Stress
van der Schalie, H.; and Blankespoor, H., 1977, Biologist, v. 59 (1), 16-24
schistosomiasis and fascioliasis, potential use of solar energy for snail-host control, temperature stress, growth and reproduction of snail

Stress
Schwalbe, C. P.; and Baker, J. E., 1976, J. Invert. Path., v. 28 (1), 11-15
Pyxinia frenzeli-infected vs. uninfected Attagenus megatoma, no significant differences in starvation-mediated alterations of nutrient reserves, data suggest P. frenzeli is commensal or mutalist rather than pathogen

Stress
Seed, J. R.; et al., 1976, Am. Midland Naturalist, v. 96 (2), 379-390
Trypanosoma brucei gambiense in Microtus montanus (exper.), role of spleen in host immunity; effect of infection (enlarged spleen, increase in adrenal weights, decrease in size of gonads), possible means of distinguishing parasite stress from other forms of natural population stress; possible relationship to reproductive potential and population density

Stress
Seed, J. R.; and Varney, J. R., 1976, Exper. Parasitol., v. 40 (2), 238-249
Trypanosoma brucei gambiense-infected rabbits, changes in diurnal rhythm of body temperature, preliminary results on diurnal rhythms of water consumption, fecal and urine output, return of normal temperature curve following chemotherapy(hydrocortisone + pentamidine isethionate)

Stress
Seed, T. M.; et al., 1976, Exper. Parasitol., v. 40 (3), 380-390
Plasmodium berghei (intraerythrocytic and ultrasonically liberated), effect of osmotic stress on cell ultrastructure and parasite infectivity, comparison with mouse host erythrocytes, results suggest these parasites have osmotic regulatory capacities at least comparable to host cells

Stress
Smith, M. W., 1973, Ann. Trop. Med. and Parasitol., v. 67 (4), 483-492
Rhipicephalus appendiculatus, Amblyomma variegatum, immature stages, effect of immersion in water (in laboratory but under field conditions), implications for correlation of seasonal periodicity with rainfall

Stress
Wagner, K. P.; and Krassner, S. M., 1976, Exper. Parasitol., v. 39 (2), 222-233
Leishmania tarentolae promastigotes, replica-plating techniques, isolation of stable mutant strains resistant to chloramphenicol, isolation of cell lines stress-adapted to streptomycin and to high culture temperatures, factors influencing resistance, mode of action of chloramphenicol (inhibition of protein synthesis and proline oxidation)

Stress
Washburn, K. W., 1975, Avian Dis., v. 19 (4), 791-801
Eimeria tenella, chickens with mutant and normal hemoglobin types compared under conditions of hematopoietic stress from coccidiosis infection and blood loss from mechanical bleeding

Stress
Wessenberg, H., 1974, Perspect. Biol. and Med., v. 17 (2), 250-266
Entamoeba histolytica, possible role of heat stress in amoebic invasion of host tissues

Stress
Wilson, R. A.; and Draskau, T., 1976, Parasitology, v. 72 (3), 245-257
Fasciola hepatica in Lymnaea truncatula, stimulation of daughter redia production by host starvation or by low or high temperature shocks, no evidence that presence of daughter rediae coincides with suppression of cercarial production

Sudan
Abdalla, R. E., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 53-55
Wuchereria bancrofti and Onchocerca volvulus as cause of human filariasis with hydrocele and elephantiasis, newly reported cases in previously non-endemic areas, need for differentiation from Loa loa: Sudan

Sudan
Enarson, D. A., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 481-482
onchocerciasis, prevalence amongst 4 ethnic groups, appears to be widely distributed disease with significant endemicity in certain areas: Sudan Republic

Sudan
Hamza, Y. O.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 266
human visceral leishmaniasis, evidence of northward spread: Sudan

Sudan
Omer, A. H. S.; et al., 1976, J. Trop. Med. and Hyg., v. 79 (7), 151-157
increasing incidence of Schistosoma mansoni in Gezira area of Sudan, clinical findings in inhabitants, frequent hepatosplenomegaly attributed to schistosomiasis and possibly hyperendemic malaria

Sugars. See Carbohydrates.

Sumatra. See Indonesia, Sumatra.

Superinfection
Bosworth, W.; and Ewert, A., 1973, J. Med. Entom., v. 10 (2), 217-219
Brugia malayi, superinfection of Aedes togoi (exper.), more infective larvae collected after 2 spaced blood meals than after 1 blood meal

Superparasitism. See Hyperparasitism.

Surfaces, parasite. See Parasite surfaces.

Surgery
Allamand, J.; et al., 1968, Bol. Chileno Parasitol., v. 23 (3-4), 124-128
human pulmonary echinococcosis, statistical survey of surgical cases: Santiago, Chile

Surgery
Aoki, H., 1977, No Shinkei Geka (Neurol. Surg.), v. 5 (1), 15-20
human cerebral paragonimiasis and schistosomiasis, indications for surgery and surgical management: Japan

Surgery
Arana Iniguez, R.; et al., 1973, Neuro-Chir., v. 19 (4), 347-372
echinococcosis of human skull, X-ray and laboratory diagnosis, case review, surgical management: Montevideo

Surgery
Arrighi, E.; and Artignan, P., 1972, Medecine Trop., v. 32 (3), 305-310
surgical procedure for the treatment of human scrotal elephantiasis caused by filariasis

Surgery
Balestrazzi, N.; and Guerra, G., 1973, Minerva Chir., v. 28 (10), 748-756
human hepatic echinococcal cyst of posterior area, diagnosis by hepatic scan, surgical management

Surgery
Beine, E., 1969, Maroc Med. (530), v. 49, 686-692
evacuation of human hepatic hydatid cyst by vacuum extractor

Surgery
Beine, E.; Atitar, A.; and El Hitmi, M., 1974, Maroc Med. (582), v. 54, 468
vacuum extraction of human hepatic hydatid cysts

Surgery
Belgraier, A. H., 1976, N. York State J. Med., v. 76 (6), 936-937
Fasciola hepatica in human resulting in common bile duct obstruction, fluke discovered during surgery for cholelithiasis, surgical and clinical case report: New York (native Puerto Rican)

Surgery
Benoit, G., 1974, Medecine Trop., v. 34 (6), 750-757
human schistosomal portal hypertension, surgical treatment: Cote-d'Ivoire

Surgery
Blaszko, W., 1972, Med. Wet., v. 28 (4), 244-245
Parascaris equorum, obstructing horse ileum, surgical removal

Surgery
Bourgeon, R.; et al., 1974, Nouv. Presse Med., v. 3 (25), 1616 [Letter]
Dicrocoelium dendriticum, 2 flukes removed from bile duct of woman undergoing exploratory surgery for cholelithiasis, clinical case report: France (native of Tunisia)

Surgery
Bourrel, P.; et al., 1972, Medecine Trop., v. 32 (2), 169-174
Dracunculus medinensis, localized in human scrotum, diagnosis and clinical management, surgical treatment

Surgery
Boyer, M. H.; Ketchum, D. G.; and Palmer, P. D., 1976, Internat. J. Parasitol., v. 6 (3), 235-238
Schistosoma mansoni, surgical technique for transfer of 3-week-old worms to mesenteric veins of mice, parasites grown in donor C3H/StCrl strain survive on transfer to recipient C57BL/10J mice despite prior immunization with C3H/StCrl cells or skin grafts

Surgery
Bravo Cardenas; and Lopez Nieto, 1974, Medicamenta, Madrid (518), an. 31, v. 63, 209-211
surgical management of large calcified human hepatic echinococcal cyst, case report: Granada, Spain

Surgery
Brightman, A. H.; Helper, L. C.; and Todd, K. S., jr., 1977, Vet. Med. and Small Animal Clin., v. 72 (6), 1021-1023
Dirofilaria immitis, dog (anterior chamber of eye), surgical removal

Surgery
Carayon, A., 1975, Medecine Trop., v. 35 (2), 119-122
human severe acute amoebic colitis, amoebomas, surgical complications, clinical management

Surgery
Carayon, A.; et al., 1970, Medecine Afrique Noire, v. 17 (7), 547-550
surgical procedures in treatment of chronic schistosomal urinary tract lesions: Ivory Coast

Surgery
Carayon, A.; and Bezes, H., 1975, Medecine Trop., v. 35 (2), 123-130
acute necrotic amoebic colitis, pathology, clinical management, surgical measures

Surgery
Carbonell Antoli, C.; Alamo Salazar, O. R.; and Parrilla Paricio, P., 1973, Med. Espan. (416), an. 36, v. 70, 245-253
case reports of human hepatic echinococcal cysts with opening into the biliary tract, clinical management, surgical treatment and diagnostic problems pre- and post-operatively

Surgery
Carcassonne, M.; et al., 1973, Progr. Pediat. Surg., v. 5, 1-35
echinococcosis in children, extensive review of cyst localizations, clinical aspects, pathology and surgical management

Surgery
Carvalho Luz, F. F., 1970, Med. Universal, v. 13 (4), 197-206
review of case reports and surgical procedures used in treatment of human hepato-splenic Schistosoma mansoni: Brazil

Surgery
Castagnino, H. E.; et al., 1975, Medicina, Buenos Aires, v. 35 (2), 166-179
case report of man with chronic myocardiopathy of Chagas disease resulting in ventricular aneurysm with severe ventricular tachycardia, successful surgical repair

Surgery
Cioli, D., 1976, Internat. J. Parasitol., v. 6 (4), 349-354
Schistosoma mansoni, simple and rapid procedure for transfer into mesenteric veins of hamsters, potential usefulness with special emphasis on recommended use for schistosome genetics

Surgery
Coman, C.; et al., 1974, Poumon et Coeur, v. 30 (6), 421-429
human thoracic echinococcosis, radiologic diagnosis and methods of surgical excision used in Bucarest, Romania

Surgery
Cornet, L.; et al., 1975, Medecine Trop., v. 35 (2), 135-147
human malignant amoebic colitis, case reports, clinical and pathologic findings, surgical intervention

Surgery
Cornet, L.; et al., 1976, Medecine Afrique Noire, v. 23 (4), 249-255
indications for surgical intervention in human cases of schistosomal urinary tract infections, case reports

Surgery
Czerucki, W., 1972, Polski Przegl. Chir., v. 44 (8), 1393-1398
human hepatic hydatid cysts, review of surgical procedures for excision of cysts

Surgery
Davies, P.; et al., 1973, N. York State J. Med., v. 73 (15), 1999-2001
probable Dirofilaria tenuis infection in woman with presenting symptom of tender, painful swelling over right temple, apparent cure after surgical biopsy and follow-up diethylcarbamazine, history of extensive bites from mosquitoes and association with dog that had recently been in southern states: Albany, New York

Surgery
Delgado Gomis, F.; Mir Pallardo, J.; and Campillos, J. A., 1973, Minerva Chir., v. 28 (10), 760-763
human hepatic echinococcosis, discussion of surgical methods

Surgery
Desogus, A. I.; Orru, L.; and Pisano, M., 1976, Policlin., Roma. Sez. Chir., v. 83 (5), 900-908
human hydatid cyst of diaphragm, clinical case reports, cyst excision by transthoracic surgical approach recommended as treatment: Italy

Surgery
Diaz, G.; Schoihet, S.; and Poblete, R., 1975, Neurocirug., Santiago, v. 33 (3-4), 160-166
human cysticercosis involving central nervous system, clinical, radiological and laboratory methods of diagnosis, review of most frequent presenting symptoms, surgical treatment with ventriculo-atrial shunt: Chile

Surgery
Diez, J. A.; Fustinoni, O.; and Vazquez Blanco, M., 1975, Prensa Med. Argent., v. 62 (13), 319-322
human splenic echinococcosis, case report of successful removal by splenectomy: Argentina

Surgery
Diouf, A. B.; et al., 1975, Medecine Afrique Noire, v. 22 (6), 453-460
human helminthiasis, statistics of 103 surgical parasitic cases over 10-year period

Surgery
Dyck, P.; Ramseyer, J. C.; and Doyle, J. B., 1976, West. J. Med., San Francisco, v. 125 (4), 317-320
case report of cysticercus cyst of temporal lobe in Korean resident of United States, presenting symptoms of intermittent headaches followed by acute neurologic disturbances, diagnosis by tomography, successful surgical excision: California

Surgery
Ehrlich, F. E., 1970, Mil. Med., v. 135 (7), 566-568
human hepatic echinococcosis, non-endemic areas, preoperative surgical considerations, case reports: Boston (natives of Greece)

Surgery
Fouques, M.; et al., 1972, Medecine Afrique Noire, v. 19 (2), 83-87
Wuchereria bancrofti, surgical treatment of elephantiasis and lymphatic system pathology resulting from infection

Surgery
Fujii, I., 1975, Bull. Azabu Vet. Coll. (30), 105-118
dog heartworm causing embolism in venae cavae, clinical signs, pathology, surgical treatment

Surgery
Gabrielli, V., 1972, Policlin., Roma. Sez. Chir., v. 79 (4), 218-226
Fasciola hepatica, human, obstruction of common bile duct by Fasciola, case reports of successful surgical removal: Italy

Surgery
Garvey, G.; Neu, H. C.; and Katz, M., 1975, N. York State J. Med., v. 75 (4), 602-603
human malaria, transfusion-induced infection in woman who had undergone recent open heart surgery, clinical case report: New York, N.Y.

Surgery
Griffe, J.; Crespy, G.; and Legendre, P., 1974, Ouest Med., v. 27 (17), 1551-1555
echinococcosis in young girl, 3 hepatic hydatid cysts successfully excised from liver, surgical case report: France (previous resident of Tunisia)

Surgery
Grosdidier, J.; Richaume, B.; and Boissel, P., 1975, Medecine and Chir. Digest., v. 4 (1), 45-49
human alveolar echinococcosis, evaluation of possible surgical procedures versus simple drainage of cysts

Surgery
Gruet, M.; et al., 1973, Medecine et Armees, v. 1 (3), 5-10
human hepatic amoebiasis, use of scintigraphy to diagnose amoebic abscess and evaluate need for surgical intervention

Surgery
Guntz, M., 1973, Minerva Chir., v. 28 (10), 708-716
human hepatic echinococcosis, surgical methods of treatment, review

Surgery
Hopkins, C. A.; and Zajac, A., 1976, Parasitology, v. 73 (1), 73-81
Hymenolepis diminuta, transplanted into various classes of mice (naive mice receiving cortisone, naive mice, irradiated naive mice, immunized mice, irradiated immunized mice), differences in time course of rejection response, surgical stress as a possible source of error

Surgery
Hutton, W. L.; Vaiser, A.; and Snyder, W. B., 1976, Am. J. Ophth., Chicago, v. 81 (5), 571-573
Cysticercus cellulosae (larval Taenia solium) successfully removed from human eye by pars plana vitrectomy procedure, case report: Texas (had visited in Mexico)

Surgery
Jackson, R. F.; et al., 1977, J. Am. Vet. Med. Ass., v. 171 (10), 1065-1069
Dirofilaria immitis, dogs (heart), caval syndrome, surgical treatment

Surgery
Jemelka, E. D., 1976, Vet. Med. and Small Animal Clin., v. 71 (5), 673-675
Setaria digitata, horse (eye), surgical removal, case report: El Kabayo Stables, Subic Bay Naval Base, the Philippines

Surgery
Kassis, A. I.; and Tanner, C. E., 1976, Internat. J. Parasitol., v. 6 (1), 25-35
Echinococcus granulosus and E. multilocularis protoscoleces, lysis in vitro by fresh serum; role of complement proteins in lysis suggested by inhibition of protoscolecidal activity by heat, EDTA, or cobra venom factor; anticomplementary activity of hydatid fluid (associated with calcareous corpuscles) may protect protoscoleces in vivo; suggestion that use of formalin during surgery to kill parasite should be replaced by use of fresh serum

Surgery
Kieninger, G.; and Madecki, O., 1972, Med. Welt, v. 23 (2), 59-61
Ascaris lumbricoides, human, intestinal obstruction and perforation, surgical aspects of treatment

Surgery
Kurokawa, K., 1976, Nippon Zyuisi-Kai Zassi (J. Japan Vet. Med. Ass.), v. 29 (4), 190-197
canine filariasis, surgical treatment

Surgery
Lechtenberg, R.; and Vaida, G. A., 1977, Neurology, v. 27 (1), 55-59
human schistosomiasis with spinal cord involvement, case reports, pathology, recommendations for surgical laminectomy for decompression and diagnosis along with prompt treatment with niridazole and cortisone: New York (previous inhabitants of Puerto Rico or Dominican Republic)

Surgery
Leger, L.; et al., 1974, Medecine Trop., v. 34 (6), 725-736
Schistosoma mansoni, Schistosoma japonicum, human schistosomal hepato-splenic schistosomiasis, pathology, diagnosis, surgical treatment of circulatory complications, clinical review

Surgery
Lemmingson, W., 1972, Mod. Problems Ophth., v. 10, 312-318
Toxocara larval infestation of eye with resulting secondary retinal detachment, clinical and surgical aspects

Surgery
Lichtenfels, J. R.; and Lavies, B., 1976, Lab. Animal Sc., v. 26 (3), 465-467
larval Eustrongylides sp. in Thamnophis sirtalis parietalis, case reports, cause of death, surgical treatment

Surgery
Mackowiak, P. A.; et al., 1976, Am. J. Med., v. 60 (5), 707-710
elderly man with intrabiliary rupture of calcified echinococcal cyst presenting as acute cholelithiasis, case report and technique of surgical management: Texas

Surgery
Maldonado Ramirez, H.; et al., 1972, Neumol. y Cirug. Torax, v. 33 (1), 19-24
human amoebic hepatic abscess with associated amoebic pericarditis and tamponage, surgical management of 3 cases: Mexico

Surgery
Man, B.; Kraus, L.; and Motovic, A., 1977, Trop. and Geogr. Med., v. 29 (1), 95-98
Echinococcus granulosus in humans, case reports of perforation of hydatid cyst into common bile duct with jaundice as presenting symptom, surgical management: Israel (immigrants from endemic areas)

Surgery
M'Bappe, F.; and Meau, F., 1975, Medecine Afrique Noire, v. 22 (8-9), 593-600
human urogenital schistosomiasis, indications for extensive surgical intervention and review of surgical procedures

Surgery
Mehta, D. S.; Malik, G. B.; and Dar, J., 1971, Neurol. India, v. 19 (2), 92-94
Taenia solium, solitary intramedullary cysticercosis discovered in young previously healthy young man, presenting as spinal cord tumor, successfully removed by laminectomy: India

Surgery
Mempel, E.; and Grochowski, W., 1973, Neurol. i Neurochir. Polska, v. 7 (5), 741-744
Echinococcus granulosus of human posterior cranial fossa and spinal cord, case report, multiple cysts removed successfully at surgery: Poland

Surgery
Milani, R.; Di Franco, S.; and Impagliazzo, A., 1975, Minerva Chir., v. 30 (6), 306-310
human echinococcosis, surgical re-implantation of gallbladder that has been compressed and displaced by hydatid cyst, clinical management: Italy

Surgery
Nano, M.; and Villata, E., 1974, Minerva Chir., v. 29 (6), 323-334
human cystic hepatic echinococcosis, surgical management, case reports: Italy

Surgery
Nocito, J. C., 1977, Prensa Med. Argent., v. 64 (6), 174-175
human echinococcosis, surgical management of transhepatic lumbar fistula of right colon after hydatid cyst drainage, clinical case report: Buenos Aires, Argentina

Surgery
Nordlinger, B., 1975, Medecine Trop., v. 35 (2), 131-138
acute severe amoebic colitis, clinical and pathologic review, surgical aspects

Surgery
Oropeza Martinez, G.; and Maldonado Campos, F., 1976, Neumol. y Cirug. Torax, v. 37 (2), 103-109
human amoebic pericarditis with resulting cardiac tamponage, clinical case successfully treated surgically: Mexico

Surgery
Pedinielli, L.; et al., 1970, Marseille Chir., v. 22 (5), 504-508
filariasis, man, scrotal elephantiasis and chyluria, successful surgical intervention, case report, clinical review: France

Surgery
Pera Madrazo, C., 1973, Minerva Chir., v. 28 (10), 723-728
human hepatic echinococcosis, surgical management by cysto-pericystectomy and drainage into digestive tract

Surgery
Perdomo, R.; et al., 1977, Nouv. Presse Med., v. 6 (9), 747-749
human echinococcosis with open cyst of biliary ducts, procedure for surgical removal

Surgery
Pignol, F.; Colonna, J.; and Gallais, H., 1975, Nouv. Presse Med., v. 4 (42), 3007 [Letter]
human intestinal amoebiasis, case report of chronic malignant colitis cured by right hemicolectomy with resection of terminal ileus: France (had resided in Morocco)

Surgery
Pizarro, D.; et al., 1968, Bol. Chileno Parasitol., v. 23 (3-4), 121-124
human echinococcosis, survey of statistics of surgical cases of pleuropulmonary infections: Santiago, Chile

Surgery
Quilici, M.; Dumon, H.; and Delmont, J., 1976, Medecine et Malad. Infect., v. 6 (1), 12-16
Echinococcus granulosus, frequency of recurrence of hydatid cysts after surgical treatment: France

Surgery
Ramirez, R., 1977, Bol. Chileno Parasitol., v. 32 (1-2), 16-20
echinococcosis, survey statistics of patients hospitalized 2 or more times, cyst localizations, surgical treatment: Chile

Surgery
Ramirez Sanchez, C.; and de Cisneros Santos, T. A., 1976, Medicina, Mexico (1212), an. 57, v. 56, 279-282
amoebiasis, human, surgical treatment of hepatic abscesses that had responded poorly to previous metronidazole and emetine therapy: Puebla, Mexico

Surgery
Rau, M. E.; and Tanner, C. E., 1976, Internat. J. Parasitol., v. 6 (2), 151-153
Echinococcus multilocularis, radical resection of large established subcutaneous cysts results in 20-fold increase in weight of intrathoracic metastases in cotton rats; animals whose subcutaneous cysts had been surgically removed were, however, still fully resistant to subsequent intraperitoneal challenging inoculation with protoscolices

Surgery
Rives, J.; and Lardennois, B., 1973, Minerva Chir., v. 28 (10), 717-722
human hepatic echinococcosis, indications for surgical intervention, clinical management

Surgery
Rudofsky, G.; et al., 1975, Med. Klin., Berlin, v. 70 (41), 1641-1645
Echinococcus alveolaris, use of angiography of celiac axis and mesenteric artery to delineate extent of infection prior to surgical intervention

Surgery
deSa, A. E., 1974, Progr. Drug Research, v. 18, 77-90
Entamoeba histolytica, humans, complications of hepatic or intestinal infections requiring surgical intervention, review

Surgery
Sadun, E. H.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 619-631
Schistosoma japonicum, chimpanzees (exper.), portacaval shunt to dissociate pipe-stem fibrosis and glomerulopathy, results suggest nephropathy more closely related to infection intensity than degree of liver damage; comparisons with untreated controls and SQ 18,506-treated animal

Surgery
Salembrier, Y. A., 1974, Nouv. Presse Med., v. 3 (36), 2339 [Letter]
dicrocoeliosis in woman discovered during surgery of the biliary tract, clinical case report: France

Surgery
Sanchez Bulnes, L., 1972, Mod. Problems Ophth., v. 10, 303-311
Cysticercus cellulosae of human eye resulting in detached retina, clinical management, surgical removal

Surgery
Sapunar, J.; and Cancino, E., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 103-106
poor surgical precautions in excision of human pulmonary or hepatic echinococcal cysts resulted in seeding or secondary subcutaneous cysts, case reports: Chile

Surgery
Sharma, H. N.; and Tyagi, R. P. S., 1975, Indian Vet. J., v. 52 (6), 482-488
Coenurus cerebralis, Capra hircus (cerebral hemisphere), clinical symptoms, diagnosis, surgical treatment

Surgery
Shnain, A. H.; et al., 1973, Vet. Rec., v. 92 (19), 499-500, 501
cannulation of thoracic duct for recovery of Dictyocaulus filaria from lymph, surgical technique, sheep

Surgery
Singh, H.; Chaudhuri, P. C.; and Kumar, A., 1976, Indian Vet. J., v. 53 (6), 467-468
intra-ocular filariasis, horses, surgical removal using paracentesis oculi technique

Surgery
Sivaloganathan, V.; and Cheah, W., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 279-280 [Demonstration]
human filariasis, case report of surgical repair of elephantiasis of legs: Kepala Batas, Province Wellesley, Malaysia

Surgery
Sommariva, V., 1976, Minerva Chir., v. 31 (4), 87-96
human hepatic echinococcosis with perforation into bile ducts, surgical management, case reports: Italy

Surgery
Theis, J. H.; and Ettleman, D. S., 1975, Am. J. Vet. Research, v. 36 (4), Part 1, 469-470
dogs, surgical technique for cannulating right cervical lymphatic duct, use in study of lymph changes induced by feeding ticks

Surgery
Todorov, T.; et al., 1976, Bull. World Health Organ., v. 53 (4), 407-415
human echinococcosis, persistence of antibodies after surgical treatment, use in evaluation of surgical results and prognosis

Surgery
Victoria, R. V.; et al., 1971, Neumol. y Cirug. Torax, v. 32 (4), 269-273
Echinococcus granulosus, autochthonous hydatid pulmonary cyst diagnosed at surgery in 11-year-old girl, case report: Puebla, Mexico

Surgery
Vodovozov, A. M.; Jarulin, G. R.; and Djakonowa, S. W., 1973, Ophthalmologica, Basel, v. 166 (2), 88-93
Dirofilaria repens, extraction of living intra-ocular nematode from man's eye with preservation of vision, clinical case report: Wolgograd (UdSSR)

Surgery
Wasfy, I. A.; and Mandour, A. M., 1975, Bull. Ophth. Soc. Egypt, v. 68, 155-163
Coenurus glomeratus excised from anterior chamber of eye of 15-year-old boy, clinical case report: Egypt

Surgery
Watanabe, M.; Shishido, T.; and Kuramoto, S., 1975, No To Shinkei (Brain and Nerve), v. 27 (4), 395-405
cerebral schistosomal granuloma in young child, differential diagnosis, surgical excision of granuloma, case report: Japan

Surgery
Yamashita, H.; et al., 1975, Bull. Nippon Vet. and Zootech. Coll. (24), 94-101
surgical removal of heartworms by right auriculotomy and puncture of pulmonary artery, dogs

Surinam
Rep, B. H.; and Heinemann, D. W., 1976, Trop. and Geogr. Med., v. 28 (2), 104-110
Ancylostoma spp., prevalence and geographical distribution survey of hookworm in dogs and cats, follow-up of 1967 survey

Survival. [See also Age; Longevity; Overwintering; Viability]

Survival
Ahluwalia, J. S., 1976, Indian J. Animal Sc., v. 46 (5), 256-267
Cooperia curticei, survival, migration on soil and grass of infective larvae under natural conditions, various meteorological data

Survival
Ahluwalia, J. S., 1977, Indian J. Animal Sc., v. 45 (8), 1975, 592-593
Cooperia curticei, survival of infective larvae in water, under natural conditions, influence of temperature at different times of the year

Survival
Anderson, R. M.; and Michel, J. F., 1977, Internat. J. Parasitol., v. 7 (4), 321-329
Ostertagia ostertagi in calves, survival characteristics of worm populations, two simple mathematical models proposed to describe density-dependent survival

Survival
Anderson, R. M.; Whitfield, P. J.; and Mills, C. A., 1977, J. Animal Ecol., v. 46 (2), 555-580
Transversotrema patialense, cercariae and adults, population dynamics under laboratory conditions: survival, effects of aging and density on infectivity, immigration-death experiments (measure of host resistance as factor)

Survival
Anderson, W. I.; Reid, W. M.; and Johnson, J. K., 1976, Poultry Science, v. 55 (4), 1429-1435
Eimeria tenella, chickens, high environmental temperature and humidity elevated body temperatures of host impairing survival and development of some parasites resulting in decreased severity of coccidiosis, impractical as control measure because of problems of timing the heat treatment and raising the temperature in large chicken houses

Survival
Barrett, R. A.; and Alexander, M., 1977, Applied and Environment. Microbiol., v. 33 (3), 670-674
Acanthamoeba, susceptibility of cysts to microbial and enzymatic degradation in soil and in vitro

Survival
Birova, V.; and Macko, J. K., 1976, Biologia, Bratislava, s. B, Zool. (3), v. 31 (8), 583-593
Heterakis gallinarum, short-, shortened-, and normal-tailed forms, survival and viability of descendants in three consecutive generations

Survival
Bosworth, W.; Sullivan, J. J.; and Chernin, E., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 700-703
Brugia pahangi, B. malayi, jirds (exper.), viability and oral infectivity of third stage larvae kept in water or recovered from dead mosquitoes, rearward migration of Brugia from mosquito hosts, implications for naturally acquired infections

Survival
Branagan, D., 1973, Trop. Animal Health and Prod., v. 5 (3), 153-165
Rhipicephalus appendiculatus, survival and development of all 3 instars under quasi-natural conditions in Kenya

Survival
Bryan, R. P., 1976, Austral. J. Agric. Research, v. 27 (4), 567-574
gastrointestinal nematodes of cattle, effect of Onthophagus gazella in dung pats on numbers of infective larvae under moist climatic conditions, ecological distribution of larvae resulting from dung beetle activity

Survival
Bull, M.; and Smyth, M., 1973, Austral. J. Zool., v. 21 (1), 103-110
Aponomma hydrosauri, Amblyomma albolimbatum, A. limbatum, abutting allopatric distributions, water balance of nymphs and adults in relation to distribution: South Australia

Survival
Campbell, W. C.; and Thomson, B. M., 1973, Austral. Vet. J., v. 49 (2), 110-111
ensheathed and exsheathed nematode larvae, survival rates after liquid nitrogen freezing, cryoprotective effect of exsheathment; exsheathed larvae of Trichostrongylus colubriformis proved uninfective even if they had not been frozen

Survival
Chang, K. P.; and Dwyer, D. M., 1976, Science (4254), v. 193, 678-680
Leishmania donovani grown in hamster peritoneal macrophages in vitro, multiplication within host cell phagolysosomes, survival mechanism of this intracellular parasite apparently based upon resistance to macrophage lysosomal enzymic digestion

Survival
Coltorti, E. A.; and Varela-Diaz, V. M., [1977], Ann. Parasitol., v. 51 (6), 1976, 647-652
survival of hydatid cysts in vitro and in vivo (mice) after puncturing with fine gauge needles, ability of cysts to repair or recuperate from such a microfissure, results consistent with detection of antibody responses in persons harboring hyaline hydatid cysts with apparently intact membranes and with hypothesis of association between integrity of cyst membranes and degree of host immunological response

Survival
Crystal, M. M., 1972, J. Med. Entom., v. 9 (6), 509-510
Cochliomyia hominivorax, chemosterilization by immersion in N,N'-tetramethylenebis (1-aziridinecarboxamide), susceptibility changed with time of day of treatment, permanence of sterility, effect on survival

Survival
Dalgliesh, R. J.; and Mellors, L. T., 1977, Cryobiology, v. 14 (4), 492-499
Babesia rodhaini, duration of freezing plateau did not affect parasite survival when cooling was slow and warming fast

Survival
Dalgliesh, R. J.; Swain, A. J.; and Mellors, L. T., 1976, Cryobiology, v. 13 (6), 631-637
frozen Babesia rodhaini, survival, effects of cooling and warming rates and protection by dimethyl sulphoxide

Survival
Doran, D. J.; and Augustine, P. C., 1977, J. Protozool., v. 24 (1), 172-176
Eimeria dispersa and E. gallopavonis in primary chicken and turkey kidney cell cultures, infectivity, survival, development

Survival
Enigk, K.; et al., 1975, Zentralbl. Vet.-Med., Reihe B, v. 22 (8), 687-702
survival of resistant external stages of parasites during fermentation of liquid cattle manure at high temperatures

Survival
Evans, A. A. F.; and Perry, R. N., 1976, Organ. Nematodes (Croll), 383-424
survival strategies in nematodes, review: quiescence with special reference to cryptobiosis; diapause (in unhatched larvae; in larvae outside the egg; in adult stages; induction and termination; morphological and behavioral correlates)

Survival
Frenkel, J. K.; Ruiz, A.; and Chinchilla, M., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 439-443
persistence of viable Toxoplasma gondii oocysts in soil up to 18 months in Kansas and 1 year in Costa Rica, experimentally buried infected cat feces; Musca fly, Armadillium sp., earthworms acted as transport hosts with earthworm possibly also vector as food for birds; seasonal distribution, effects of weather on infectivity

Survival
Frescura, T.; Polidori, G.A.; and Sarris, C., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 509-512
Toxoplasma gondii, oocysts from cat feces, maintained at room temperature for intervals of up to one year, infective to mice

Survival
Gallie, G. J.; and Nunns, V. J., 1976, J. Helminth., v. 50 (2), 79-89
Dictyocaulus filaria, different seasons, development and survival of free-living larvae on pasture, transmission of infection between lambs: North-East England

Survival
Gemmell, M. A., 1977, Exper. Parasitol., v. 41 (2), 314-328
Taenia spp., Echinococcus granulosus, eggs, hatching characteristics, survival, infectivity of embryos, influence of various factors (different worms, different segments of same worm, moisture, temperature, length of storage, washing), epidemiological implications in regulation of tapeworm populations

Survival
Gentry, J. W.; Phang, O. W.; and Manikumaran, C., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 214-216
Leptotrombidium deliense, L. fletcheri, survival of mite foci in experimental area that prevented entry of host animals or migration of mites, effects of weather on findings of study: Malaysia

Survival
Ghadirian, E.; et al., 1976, Canad. J. Pub. Health, v. 67 (6), 495-498
human toxocariasis, prevalence survey of Toxocara spp. and other helminth ova in dogs and soil from city parks, larvae survival over winter months results in continuing contamination of soil and increasing public health problem: Montreal

Survival
Gibson, T. E.; and Everett, G., 1976, Brit. Vet. J., v. 132 (1), 50-59
Haemonchus contortus, development and survival of free-living stages on pasture studied over period of 3 years, only in July, August, and September were climatic conditions favorable, concluded that climate in Southern England is not ideal for development and survival of preparasitic stages

Survival
Gibson, T. E.; and Everett, G., 1976, Research Vet. Sc., v. 20 (2), 158-161
Nematodirus filicollis, development and survival of eggs placed on grass plots over a period of a year, extraordinary persistence of eggs and larvae under weather conditions of southern England makes control difficult

Survival
Gingrich, R. E., 1973, J. Med. Entom., v. 10 (5), 482-487
Hypoderma lineatum, effects of host diet and immunosuppressant treatments (rabbit antimouse lymphocyte serum and whole-body irradiation) on survival and growth of larvae and on susceptibility of Mus musculus to infestation

Survival
Grelck, H.; Hoerchner, F.; and Woehrl, H. E., 1977, Prakt. Tierarzt, v. 58 (4), 265-268
strongyles, horses, seasonal development of infective larvae on pastures, survival rate

Survival
Halvorsen, O.; and Andersen, K., 1973, Norwegian J. Zool., v. 21 (4), 326-327 [Abstract]
Diphyllobothrium dendriticum plerocercoids in golden hamsters and common gulls (both exper.), crowding and increased survival

Survival
Harada, T., 1971, Nettai Igaku (Trop. Med.), v. 12 (4), 219-233
Schistosoma japonicum, viability and hatchability under various conditions of media, possible infection routes and development and survival in Oncomelania nosophora intermediate snail hosts

Survival
Hauck, A. K., 1977, J. Parasitol., v. 63 (3), 515-519
Anisakis sp. larvae in Clupea harengus pallasi from Yaquina Bay, Oregon, effects of various methods of handling and processing (fresh, frozen, brine, cold smoked, and cold smoked-gibbed) on migration into and survival in flesh of fish, implications for transmission to humans

Survival
Hawking, F., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 672-675
Trypanosoma brucei, attempted culture at human blood temperature (37 C) in presence of tissue cultures, survival and multiplication for 24 hours with diminishing numbers up to 10 days

Survival
Hubert, J.; Yvore, P.; and Kerboeuf, D., 1976, Ann. Recherches Vet., v. 7 (1), 83-90
parasite survival in liquid manure, antiparasitic action of xylene

Survival
Ivey, M. H., 1975, J. Parasitol., v. 61 (6), 1101-1103
Trichomonas vaginalis, use of solid medium techniques to determine quantitatively the effects of freezing procedure variations on cell viability

Survival
Iwamoto, I., 1972, Nettai Igaku (Trop. Med.), v. 14 (3), 124-137
Dirofilaria immitis, Wuchereria bancrofti, in vitro survival in various media, effects of temperature; D. immitis survival in dogs (exper.), periodicity, migration and localization

Survival
Lawson, J. R., 1977, Parasitology, v. 75 (2), xi-xii [Abstract]
Schistosoma mansoni cercariae, survival in relation to environmental temperature, activity pattern, infectivity, glycogen content

Survival
Lindberg, R., 1976, Svensk Vet.-Tidn., v. 28 (11), 509-514
horse strongylid eggs, longevity on grass plots when deposited early or late in grazing season or in winter, seasonal and climatic aspects, preliminary field study

Survival
Mark, D. L., 1975, J. Parasitol., v. 61 (3), 484-488
Ancylostoma caninum, infective larvae, survival on outdoor bluegrass plots in 40 experiments over 1 year

Survival
Michel, J. F., 1976, Advances Parasitol., v. 14, 355-397
nematode infections in grazing animals, epidemiology and control, extensive review: free-living stages (bionomics, transport); parasitic stages (population regulation, immunity, host differences, arrested development, post-parturient rise); parasitic gastro-enteritis in sheep and cattle; parasitic bronchitis in cattle

Survival
Miller, J. A.; et al., 1977, J. Econom. Entom., v. 70 (2), 179-182
techniques for shipping large numbers of Haematobia irritans, O_2 depletion and CO_2 accumulation critical factors in survival of flies, laboratory and field trials

Survival
Mills, C. A., 1976, Parasitology, v. 73 (2), vi-vii [Abstract]
Transversotrema patialense, survival and fecundity on Brachydanio rerio (exper.), age-dependent but not density-dependent, temperature optimum at 23°C., survival reduced on small hosts, growth in size of adult fluke

Survival
Misra, S. C.; and Ruprah, N. S., 1974, Indian Vet. J., v. 51 (2), 147-148
Haemonchus larvae, survival on 2 pastures under changing temperature and relative humidity: India

Survival
Miyata, A., 1973, Nettai Igaku (Trop. Med.), v. 15 (4), 204-213
Entamoeba histolytica, Toxoplasma gondii, Plasmodium berghei, Trypanosoma gambiense, preservation by freezing, evaluation of precooling and cryo-protective solutions, length of survival; T. gondii (Beverley strain) unable to survive freezing

Survival
Miyata, A., 1975, Nettai Igaku (Trop. Med.), v. 17 (2), 55-64
Trichomonas vaginalis, 5 strains, effects of time and temperature on preservation with glycerol or dimethyl sulfoxide, survival rate after freezing and thawing procedure

Survival
Monteoliva Hernandez, M., 1973, Rev. Iber. Parasitol., v. 33 (4), 599-606
Ascaris, motility studies in vitro, motility longer with glucose than when fasting; longer at 25° C than at 37° C; younger worms more active than mature ones

Survival
Motomura, I., 1967, Nettai Igaku (Trop. Med.), v. 9 (4), 201-225
Toxoplasma gondii, mice (exper.), survival comparisons of Beverley and RH strains under various physico-chemical conditions (osmotic pressure, pH, temperature, moisture, irradiation)

Survival
Motomura, I., 1967, Nettai Igaku (Trop. Med.), v. 9 (4), 226-243
Toxoplasma gondii, cysts and proliferative forms, in vitro survival in different concentrations of disinfectants or on incubation with digestive enzymes or bovine bile

Survival
Murty, A. S.; and Rao, K. H., 1975, Proc. Symp. Estuarine Biol. (Porto Novo, India, Jan. 20-24, 1972), 70-75
Transversotrema patialensis cercariae, salinity tolerance

Survival
Nakabayashi, T.; et al., 1967, Nettai Igaku (Trop. Med.), v. 9 (2), 111-125
Toxoplasma gondii, mice (exper.), survival of parasites at refrigerating and cold storage room temperatures of slaughterhouse

Survival
Neitz, W. O.; Boughton, F.; and Walters, H.S., 1972, Onderstepoort J. Vet. Research, v. 39 (2), 117-122
Rhipicephalus theileri, rabbits (exper.), successful rearing of 7 generations of ticks, wide variation in duration of developmental phases and life cycle, high rate of mortality, implications for tick survival in nature; hosts and distribution in Africa

Survival
Norval, R. A. I., 1977, J. Parasitol., v. 63 (4), 740-747
Amblyomma hebraeum, survival and rate of development in relation to temperature and humidity under laboratory and field conditions, longevity of unfed ticks, ecological implications of results

Survival
Oakley, G. A., 1977, Vet. Rec., v. 101 (10), 187-188
Dictyocaulus viviparus, overwinter survival on pasture, possible mechanisms: Cheshire

Survival
Prah, S. K.; and James, C., 1977, J. Helminth., v. 51 (1), 73-85
Schistosoma mansoni, S. haematobium, influence of temperature, ultraviolet radiation, and aging on survival and infectivity of miracidia, profound effect but unlikely to be of importance in transmission in the field

Survival
Presidente, P. J. A.; Knapp, S. E.; and Dean, R. E., 1973, J. Wildlife Dis., v. 9 (1), 34-40
Dictyocaulus viviparus, captive Odocoileus hemionus columbianus fawns, treatment with cambendazole vs. levamisole hydrochloride, survival and infectivity of larvae on contaminated pasture

Survival
Purnell, R. E.; et al., 1973, Isotopes and Radiation Parasitol. III, 139-144
Rhipicephalus appendiculatus (unfed nymphs; engorged nymphs; moulting nymphs; unfed adults), effects of irradiation assessed by evaluating subsequent performance of ticks when fed on rabbits (mortality, attachment, feeding, mating, egg-laying); effects of irradiation on Theileria parva in salivary glands of adult ticks

Survival
Raisanen, S.; and Saari, M., 1976, Med. Biol., v. 54 (2), 152-155
effect of preservation time and changes in osmotic pressure on infectivity and survival of Toxoplasma gondii trophozoites

Survival
Rao, L. N., 1976, Indian J. Exper. Biol., v. 14 (1), 61-63
osmoregulation in trematodes in hypertonic solutions, no osmoregulation in hypotonic solutions, survival in hypertonic environment of host serum, Rana tigrina

Survival
Shishova-Kasatochkina, O. A.; and Pavlov, A. V., 1969, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 20, 195-204
factor influencing resistance of helminths to host proteolytic enzymes (enzyme inhibitors secreted by helminths, chemical structure of worm cuticle, specificity of host proteolytic enzymes and structure and composition of protein molecules in helminths), review

Survival
Sibalic, D.; Radovic, M.; and Martinovic, M., 1975, Acta Parasitol. Iugoslavica, v. 6 (1), 13-18
Toxoplasma gondii, human, survival in blood (stored at +4°C), viability tested by inoculation into white mice

Survival
Sukhapesna, V.; et al., 1975, J. Med. Entom., v. 12 (3), 391-392
Gasterophilus intestinalis, temperature, embryonic development and egg hatchability; longer viability of eggs at lower temperatures

Survival
Targett, G. A. T.; Viens, P.; and Wilson, V. C. L. C., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 148 [Abstract]
Trypanosoma musculi, survival in immunized mouse host blood for at least 1 year in infective state

Survival
Teetor, G. E.; and Kramer, J. P., 1977, J. Invert. Path., v. 30 (3), 348-353
Octosporea muscaedomesticae, effect of ultraviolet radiation on naked spores, on various stages within host (Phormia regina), and on spores in host feces (survival, infectivity, development), uv-protective function ascribed to components provided by host's tissues and feces

Survival
Tharaldsen, J., 1976, Acta Vet. Scand., v. 17, Suppl. 61, 1-21
trichostrongylid infections, calves, survival of larvae on pasture, occurrence of larvae not influenced by artificial irrigation; treatment with thiabendazole did not effectively control infection due to overwintering larvae, neither improved weight gain nor reduced egg production: Norway

Survival
Todd, K. S., jr.; Levine, N. D.; and Boatman, P. A., 1976, Am. J. Vet. Research, v. 37 (8), 991-992
Haemonchus contortus, free-living stages, survival in sheep fecal pellets, various constant temperatures

Survival
Todd, K. S., jr.; Levine, N. D.; and Boatman, P. A., 1976, J. Parasitol., v. 62 (2), 247-249
Haemonchus contortus, survival of desiccated and undesiccated infective larvae at various constant temperatures

Survival
Todd, K. S., jr.; Levine, N. D.; and Wagher, B. N., 1977, J. Parasitol., v. 63 (5), 956-957
Cooperia punctata, effects of repeated desiccation and rehydration on survival of infective larvae

Survival
Tomanek, J., 1974, Acta Vet. Brno, v. 43 (1), 47-52
guinea-pigs orally infected with irradiated and non-irradiated Dictyocaulus filaria larvae, development of resulting larvae recovered from lungs; decreased larval counts with increased X-ray exposure, greater survival of female worms, implications for use in immunization

Survival
Walsh, R. D.; and Olson, J. K., 1976, Mosquito News, v. 36 (2), 154-160
Lankesteria culicis, host susceptibility to infection, parasite mortality results from its inability to penetrate peritrophic membrane of mosquito to gain access to epithelial cells

Survival
Wilkinson, P. R., 1971, Acarologia, v. 12 (3), 492-508
Boophilus microplus, factors affecting distribution in RTS (reputed tick scarcity) areas as compared to tick infested areas in surrounding districts: Australia

Survival
Wilson, G. I.; Blachut, K.; and Roberts, I. H., 1977, Research Vet. Sc., v. 22 (3), 292-297
Psoroptes ovis, infectivity to sheep introduced into naturally contaminated enclosures after periods of vacancy (under conditions in southwestern United States), recommended time lapse before contaminated animal enclosures can be used by clean sheep; experimental transfer of mites to sheep following periods of off-host storage at various temperatures, mite survival rate

Survival
Wright, A. C.; and Levy, C. K., 1974, J. Protozool., v. 21 (3), 424 [Abstract]
Eimeria falciformis, experiments to determine the extent to which age of unsporulated oocysts affects their responses to ^{60}Co gamma irradiation, possible effect of prior cold storage upon results

Swimmers' itch. See Dermatitis, Trematoda.

Switzerland
Merz-Schenker, R. C.; Freudiger, U.; and Hoerning, B., 1976, Kleintier-Praxis, v. 21 (4), 141-152
survey of gastrointestinal parasites, cat, clinical and public health importance: Switzerland
(Toxocara cati; Toxascaris leonina; Ancylostoma tubaeforme; Trichuris vulpis; Capillaria aerophila; Taenia taeniaeformis; Mesocestoides lineatus; Isospora felis; I. rivolta; I. bigemina; Eimeria sp.)

Switzerland
Pfister, F.; and Wolff, K., 1975, Schweiz. Arch. Tierh., v. 117 (10), 585-598
survey, incidence of gastro-intestinal parasites, pigs, fecal and post mortem examinations, specific pathogen-free and conventional farms, only small differences, present SPF program not sufficient for control: Switzerland
(Coccidia; Balantidium coli; Ascaris suum; Trichuris suis; Oesophagostomum spp.; Hyostrongylus rubidus; Strongyloides ransomi)

Switzerland
Schawalder, P., 1976, Schweiz. Arch. Tierh., v. 118 (5), 203-216
parasite fauna of dogs, epidemiological and ecological parameters (resistance in relation to age, seasonal distribution in relation to ecological factors): Bern area, Switzerland
(Toxocara canis; Toxascaris leonina; Uncinaria stenocephala; Ancylostoma caninum; Spirocerca lupi; Trichuris vulpis; Diphyllobothrium latum; Dipylidium caninum; Mesocestoides lineatus; Taenia pisiformis; T. hydatigena; Echinococcus granulosus; Eimeria canis; Isospora bigemina; I. rivolta; Lamblia intestinalis)

Symbiosis
Bekkouche, Z.; and Dupouy, J., 1976, Ztschr. Parasitenk., v. 48 (3-4), 298-299 [Abstract]
Polystoma integerrimum, bacteria in cytoplasm of somatic cells and ovocytes, no cell alteration, may be considered symbiotic

Symbiosis
Camargo, E. P.; and Freymuller, E., 1977, Nature, London (5632), v. 270, 52-53
Crithidia, presence of ornithine carbamoyltransferase in species harboring bacteria-like endosymbionts (C. deanei, C. oncopelti) enables these species to synthesize arginine from ornithine thereby conferring a nutritional advantage on the protozoan host

Symbiosis
Chang, K.-P., 1974, J. Protozool., v. 21 (5), 699-707
ultrastructural evidence suggests that bipolar bodies of Crithidia oncopelti and diplosomes of Blastocrithidia culicis are endosymbiotic bacteria with defective cell walls and that they are subject to destruction by treatment with chloramphenicol but not penicillin

Symbiosis
Chang, K.-P., 1975, J. Protozool., v. 22 (2), 271-276
Blastocrithidia culicis, Crithidia oncopelti, intracellular symbiotes can be eliminated by single chloramphenicol treatment with subsequent reduced growth of flagellates

Symbiosis
Chang, K.-P., 1976, J. Protozool., v. 23 (2), 241-244
Blastocrithidia culicis, Crithidia oncopelti, symbiote-free strains: liver extract as essential growth factor in defined medium; cross-reactivity in reciprocal agglutination test with symbiote-containing strains indicates loss of symbiotes does not affect antigenic identity

Symbiosis
Davey, J. T.; et al., 1977, Parasitology, v. 75 (2), xxxv-xxxvi [Abstract]
Mytilicola intestinalis revealed to be harmless commensal of mussels rather than serious pest

Symbiosis
Dwyer, D. M.; and Chang, K.-P., 1976, Proc. Nat. Acad. Sc., U.S.A., v. 73 (3), 852-856
Crithidia oncopelti, bacterial endosymbiote-containing vs. symbiote-free strain, comparison of surface-membrane carbohydrate ligands by lectin-mediated agglutination and lectin-ultrastructure localization

Symbiosis
Lapan, E. A., 1975, Comp. Biochem. and Physiol., v. 52 (4A), 651-657
dicyemid Mesozoa, contribution to acidification of Octopus vulgaris urine, symbiotic rather than parasitic relationship

Symbiosis
Mundim, M. H.; and Roitman, I., 1977, J. Protozool., v. 24 (2), 329-331
Crithidia deanei, strain cured of its bacteria-like symbiote by chloramphenicol had additional nutritional requirements beyond those of the parent strain

Symbiosis
Vickerman, K., 1977, J. Protozool., v. 24 (2), 221-233
Cryptobia vaginalis, light and electron microscopic morphology, kinetoplast DNA dispersed throughout single mitochondrion, feeding by pinocytosis through cytopharynx, bacterial symbiotes

Symbiosis
Wilhelm, W. E.; and Pope, D. C., 1974, J. Protozool., v. 21 (3), 434-435 [Abstract]
Tritrichomonas muris, infections of laboratory colony of Mesocricetus auratus (caecum, small intestine, colon), hamsters fed high protein diet became trichomonad free, trichomonad-free hamsters showed higher mortality, weight loss, and fur thinning suggesting possible mutualistic relationship, successful transfaunation to laboratory and wild Mus musculus, reinfection of trichomonad-free Mesocricetus auratus, parasite morphology

Symbiosis
Zierdt, C. H.; and Tan, H., 1976, Exper. Parasitol., v. 39 (3), 422-430
Blastocystis hominis, 8 axenically grown strains, presence of intracellular bacteria-like spheres and rods, direct relationship between increasing endosymbiont numbers and increasing B. hominis cell size, effect of 3 antibiotics on B. hominis and its endosymbiont

Syphilis
Epstein, E., 1973, Med. Aspects Human Sexual., v. 7 (10), 228-242
Sarcoptes scabiei var. hominis, diagnosis in humans, sexual contact as potential means of dissemination, syphilis as common complication, treatment with Kwell lotion

Systematics. See Taxonomy.

Tagging. [See also Radioisotopes]

Tagging
Bretana, A.; and O'Daly, J. A., 1976, Internat. J. Parasitol., v. 6 (5), 379-386
Trypanosoma cruzi, uptake of proteins from fetal calf serum needed for growth, methods for labelling and subsequent localization (immunofluorescence; autoradiography; colloidal gold)

Tagging
Chamberlain, W. F.; et al., 1977, J. Econom. Entom., v. 70 (5), 586-588
Haematobia irritans, fluorescent dyes most satisfactory mechanized technique for marking large numbers of horn flies in sterilized fly release tests

Tagging
Chamberlain, W. F.; Matter, J. J.; and Eschle, J. L., 1977, Southwest. Entom., v. 2 (2), 73-78
Haematobia irritans, use of trace elements as markers, critical analysis; rubidium, magnesium, manganese and strontium nontoxic but do not persist after 3 to 7 days

Tagging
Cloutman, D. G., 1976, Southwest Nat., v. 21 (1), 67-70
Neascus of Crassiphiala bulboglossa, incidence and intensity of infection, use as biological tag to identify 2 sympatric stonerollers: White River, Arkansas

Tagging
Dailey, M. D., 1977, Antarctic J., v. 12 (4), 6
helminths as potential biological indicators for identification of geographically isolated populations of Antarctic whales (Balaenoptera acutorostrata, B. borealis, Physeter catodon)

Tagging
MacKenzie, K., 1976, Norwegian J. Zool., v. 24 (4), 464-465 [Abstract]
use of Renicola [spp.] metacercaria, Lacistorhynchus tenuis plerocercoids, and number of caeca in Clupea harengus as biological tags, findings consistent with continuous host immigration to the Minch, west of Scotland, from Bloden in the North Sea

Tagging
Nansen, P.; Christensen, N. O.; and Frandsen, F., 1976, Ztschr. Parasitenk., v. 49 (1), 73-80
Fasciola hepatica, in vivo labelling of miracidiae with radioselenium, administered intraperitoneally in mice, no apparent effects on hatching, motility, or infectivity to snails, possible use in studies of host location and other aspects of parasite-snail contact

Tagging
Nansen, P.; Frandsen, F.; and Christensen, N. O., 1976, Parasitology, v. 72 (2), 163-171
Fasciola hepatica, various common freshwater molluscs exposed to miracidia labelled with radioselenium, differential incorporation of radioactivity, evidence for chemical attraction of miracidia to hosts

Tagging
Pfefferkorn, E. R.; and Pfefferkorn, L. C., 1977, J. Protozool., v. 24 (3), 449-453
Toxoplasma gondii, specific labelling of intracellular parasites with radioactive uracil, not significantly incorporated into nucleic acids of human fibroblast host cells

Tagging
Reid, W. A.; Phillips, S. M.; and Roscinski, R. J., 1977, Exper. Parasitol., v. 42 (2), 331-342
Schistosoma mansoni, radioisotope uptake and retention by cercariae and developing schistosomules, evaluation of this methodology for identifying selective worm populations and their products for prolonged periods of time

Tagging
Templeman, W.; Hodder, V. M.; and Fleming, A. M., 1976, J. Fish. Research Bd. Canada, v. 33 (4), part 1, 711-731
Lernaecera branchialis, seasonal distribution; localization of immature stages on lumpfish, adults on cod; adult infection rates on cod higher inshore than offshore, marker for host migrations; cod sexual maturity delayed by infection

Taiwan
Manwell, R. D.; Allen, C. S.; and Kuntz, R. E., 1976, J. Protozool., v. 23 (4), 571-576
survey of blood parasites of birds

Taiwan
Ryu, E.; et al., 1975, Taiwan J. Vet. Med. and Animal Husb. (26), 7-15
Toxoplasma gondii, swine, survey, diagnosis by intradermal skin test, hemagglutination test, dye test, isolation: Taiwan

Tanganyika
Beck, A., 1977, Tr. Am. Phil. Soc., v. 67 (3), 1-59
trypanosomiasis, colonial medicine, history, 1890-1930: Tanganyika

Tanzania
Carswell, F.; Meakins, R. H.; and Harland, P. S. E. G., 1976, Lancet, London (7988), v. 2, 706-707
survey of fecal parasites in children in Lushoto District, Northern Tanzania (Ascaris; hookworms; Schistosoma mansoni; Enterobius; Taenia; Strongyloides; Entamoeba coli; Trichuris; Dicrocoelium)

Tanzania
Ecimovic, T. J.; and Mahlau, E. A., 1973, Bull. Epizoot. Dis. Africa, v. 21 (2), 187-192
animal health survey, 1971: Mbeya region, Tanzania
(East Coast fever; anaplasmosis; Fasciola gigantica; Haemonchus; Ostertagia; Trichostrongylus; Cooperia; Bunostomum; Oesophagostomum; Moniezia sp.; Eimeria sp.)

Tanzania
Katamine, D.; et al., 1967, Nettai Igaku (Trop. Med.), v. 9 (3), 143-157
Acanthocheilonema perstans, Wuchereria bancrofti, prevalence survey in area residents: Tanzania

Tanzania
Moloo, S. K.; and Kutuza, S. B., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 403-409
Trypanosoma brucei-subgroup isolated from Glossina swynnertoni, indicative of vector role of local tsetse flies in endemic areas of Tanzania

Tasmania. See Australia, Tasmania.

Taxis. [See also Attractants; Behavior; Host perception by parasites]

Taxis
Anya, A. O., 1976, Internat. J. Parasitol., v. 6 (2), 173-177
Aspiculuris tetraptera, pattern of the sex attraction phenomenon, origin of attractant secretions

Taxis
Browning, T. O., 1976, Physiol. Entom., v. 1 (2), 107-114
Rhipicephalus pulchellus, R. appendiculatus, aggregation on grass stems, laboratory and field studies, no evident response to chemical stimulus

Taxis
Croll, N. A., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 31-52
larval nematodes, behavior, review (nematode senses, locomotion, movement patterns as tracked on agar, mechanisms of orientation)

Taxis
Cable, R. M., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 1-18
digenetic trematodes, behaviour, review (reproduction, hatching, penetration, response to taxic and host stimulation; cercarial emergence, swimming)

Taxis
Denner, M. W., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 406 [Abstract]
Mermis nigrescens, oviposition may occur in absence or presence of sunlight, presence of haemoglobin may not act as chromotropic stimulus for egg laying

Taxis
Eddy, G. W.; DeVaney, J. A.; and Handke, B. D., 1975, J. Med. Entom., v. 12 (3), 379-381
Cochliomyia hominivorax adults, attraction to bovine blood incubated with various species of bacteria, possible use with oviposition medium in screwworm rearing plants

Taxis
Fried, B.; and Gioscia, R. M., 1976, J. Parasitol., v. 62 (2), 326-327
Leucochloridiomorpha constantiae, tentative identification of cholesterol as chemoattractant for metacercarial pairing

Taxis
Haas, W., 1976, Ztschr. Parasitenk., v. 49 (1), 63-72
Schistosoma mansoni cercariae, attachment response, stimulated by temperature rise, reactions to animal substance in substrate (human, swine, fish, frog, snail, cercariae)

Taxis
Haas, W., 1976, Ztschr. Parasitenk., v. 50 (2), 216-217
Schistosoma mansoni cercaria, host identification, fatty acids in substrates stimulating penetration following fixation, possibility of control by blocking chemoreceptors

Taxis
Hipeau-Jacquotte, R., 1977, Marine Biol., v. 44 (1), 57-63
Pachypygus gibber, pelagic larvae, phototropic reactions (threshold reaction, orientation towards light, speed and form of motility) based on age and stage of parasite

Taxis
Holmes, J. C.; and Bethel, W. M., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 123-149
parasite modification of intermediate host behavior in order to increase vulnerability of intermediate host to predation by definitive host; reversal of phototaxis by cystacanths of Polymorphus paradoxus produces altered evasive response in Gammarus lacustris vectors which in turn increases vulnerability of infected vectors to ingestion by mallard duck hosts

Taxis
Howell, F. G., 1976, J. Med. Entom., v. 13 (1), 99-106
Argas cooleyi, behavior responses to directed and undirected light, daily light cycle, effect of low temperature

Taxis
Hughes, W. L.; and Harley, J.P., 1977, Exper. Parasitol., v. 42 (2), 363-373
Trichinella spiralis, first-stage migratory larvae, taxes, response to chemicals associated with energy source for muscular contraction, response to electrical stimuli associated with membrane potentials and to KCl gradient

Taxis
Iqbal, Q. J.; and Humphries, D. A., 1974, Pakistan J. Zool., v. 6 (1-2), 163-174
Nosopsyllus fasciatus, sequence of actions during mating, initiation by contact-chemical stimulus, negative phototactic behaviour

Taxis
Jones, C. M.; et al., 1976, J. Econom. Entom., v. 69 (3), 389-391
development of chemical bait to attract Cochliomyia hominivorax, good results, compared with liver attractant

Taxis
Leahy, (Sr.) M. G.; et al., 1975, J. Med. Entom., v. 12 (3), 284-287
Ornithodoros moubata, female assembly pheromone induces male assembly; male pheromone induces male and female aggregation; extraction of female pheromones; removal of olfactory sensillae reduces or eliminates response

Taxis
Leahy, (Sr.) M. G.; et al., 1975, J. Med. Entom., v. 12 (4), 413-414
assembly pheromones from Ornithodoros and Argas species, interspecific responses; feeding increased pheromone production and decreased response; possible function in host location

Taxis
Levin, N. A., 1977, Zhurnal Obshch. Biol., v. 38 (4), 621-626
Cimex lectularius, responses to smell stimuli in relation to various environmental factors (temperature, light, atmospheric pressure, strong mechanical influence)

Taxis
Llewellyn, J., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 19-30
monogenean trematodes, invasive behavior, review

Taxis
Lom, J.; and Cerkasovova, A., 1974, J. Protozool., v. 21 (3), 457 [Abstract]
Ichthyophthirius multifiliis theronts, host-finding

Taxis
MacInnis, A. J.; Bethel, W. M.; and Cornford, E. M., 1974, Nature (5446), v. 248, 361-363
amino acids in snail-conditioned water (Biomphalaria glabrata) acting as attractants for Schistosoma mansoni miracidia, potential use in combination with schistosomicides and molluscicides for combined trematode and snail control

Taxis
Mason, P. R.; and Fripp, P. J., 1977, J. Parasitol., v. 63 (2), 240-244
Schistosoma mansoni miracidia, reactions to artificial light at room temperature and at 15 C, "choice-chamber" experiments correlated with direct observations and darkground photography

Taxis
Miles, C. T.; Foster, W. A.; and Christensen, H. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 531-532 [Letter]
Leishmania braziliensis, evidence that some vector Lutzomyia spp. may use host stimuli for sexual aggregation as well as blood feeding

Taxis
Mohandas, A., 1974, Proc. National Acad. Sc. India, Sect. B, v. 44 (3), 139-144
cercariae, factors influencing emergence, behavior and viability

Taxis
Sponholtz, G. M.; and Short, R. B., 1976, J. Parasitol., v. 62 (1), 155-157
Schistosoma mansoni, miracidia, stimulation by snail (Biomphalaria glabrata)-conditioned water, evidence that lowered calcium/magnesium ratio may be important in attracting miracidia to snails

Taxis
Stankiewicz, M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 39-46
Strongyloides papillosus larvae, sheep and rabbit strains, responses to light of various intensities, desiccation and temperature; pattern of migration from water by dense group of larvae; reaction to various chemicals; destruction by fungi; no differences between strains

Taxis
Stibbs, H. H.; et al., 1976, Nature, London (5553), v. 260, 702-703
magnesium emitted by Biomphalaria glabrata alters swimming behaviour of Schistosoma mansoni miracidia

Taxis
Webb, J. P., jr.; George, J. E.; and Cook, B., 1977, Nature, London (5593), v. 265, 443-444
Ornithodoros concanensis makes use of vocal sound of Petrochelidon pyrrhonota as a cue in its host-finding behavior

Taxis
Wood, W. F.; et al., 1975, J. Chem. Ecol., v. 1 (4), 501-509
ixodid ticks, phenolic compounds as pheromones, sexual attractants, chemical extraction and bioassay

Taxonomy. [See also Nomenclature]

Taxonomy
Alexander, J., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 10 [Demonstration]
unusual arrangements of microtubules in flagellar axoneme of Leishmania enrietti and L. mexicana not present in L. tropica major, possible use as taxonomic marker for differentiation between New and Old World species

Taxonomy
Bagster, I. A.; and Parr, C. W., 1973, Nature (5415), v. 244, 364-366
trypanosome identification by electrophoresis of soluble enzymes

Taxonomy
Bayssade-Dufour, C.; and Maillard, C., 1974, Ann. Parasitol., v. 49 (5), 521-554
Allocreadioidea 4 spp., cercarial chaetotaxy, detailed description, comparison with previously described cercariae, implications for taxonomy and evolution

Taxonomy
Bayssade-Dufour, C.; and Ow-Yang, C. K., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 338-342
Trichobilharzia brevis, Haplorchis pumilio, morphologic description of sensory receptors of cercariae, comparison with representative Schistosomatidae and Opisthorchioidea; characterization of chaetotaxy of Opisthorchioidea superfamily

Taxonomy
Bennett, G. F.; et al., 1975, J. Protozool., v. 22 (1), 24-30
extensive remarks on taxonomic and nomenclatural status of Leucocytozoon, classification (Haemosporina, Leucocytozoidae), emended generic diagnosis, proposal that authorship be credited to Sambon 1908 and that L. majoris (Laveran, 1902) be designated as type species (L. danilewskyi being a nomen nudum), rejection of recent synonymy of Akiba and Saurocytozoon with Leucocytozoon

Taxonomy
Bennett, G. F.; and Campbell, A. G., 1975, Canad. J. Zool., v. 53 (6), 800-812
Leucocytozoon spp., morphometric variation, "concluded that the morphometric characteristics were not valid criteria for species differentiation.", proposed synonymies

Taxonomy
Betterton, C.; and Lim, B.-L., 1977, Internat. J. Parasitol., v. 7 (1), 73-82
Zonorchis, Skrjabinus, morphological variation analyzed, effects of allometric growth investigated, patterns in relation to host ecology and distribution, taxonomic implications: Malaysia

Taxonomy
Beveridge, I.; and Rickard, M. D., 1976, Internat. J. Parasitol., v. 6 (1), 55-59
Taenia pisiformis in rabbits (exper.), growth and development of rostellar hooks, hook differentiation and size related to age of cysticerci, ability to resist effects of digestive enzymes in vitro, and ability to infect dogs, variability in hook sizes attributable to external influences suggests caution in use of hook lengths as taxonomic characters

Taxonomy
Braide, E. I.; and Georgi, J. R., 1974, Cornell Vet., v. 64 (2), 233-239
equine cyathostomes, number of external leaf crown elements, unsuitable for generic classification but provides relatively constant character at species level

Taxonomy
Brooks, D. R., 1977, System. Zool., v. 26 (3), 277-289
plagiorchioid trematodes of anurans with special emphasis on species of Glypthelmins, implications of morphological cladistic interrelationships and zoogeography, evolutionary history involving parasite vicariance and dispersal as a result of host speciation and host dispersal

Taxonomy
Bylund, G.; and Djupsund, B. M., 1977, Ztschr. Parasitenk., v. 51 (3), 241-247
Diphyllobothrium, 4 species all raised in same experimental final host (Mesocricetus auratus), protein profiles from isoelectric focusing, chemotaxonomic methods possibly useful for identification and distinction of species

Taxonomy
Cabrera, B. D.; and Vajrasthira, S., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (4), 509-518
Paragonimus, differentiating morphologic characteristics of cuticular spines and shape and branching of ovaries of 4 spp.

Taxonomy
Chance, M. L.; Peters, W.; and Schchory, L., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 307-316
Leishmania spp., buoyant density of total cell DNA determined by isopycnic centrifugation in CsCl, wide spectrum of values, results discussed in terms of taxonomy; isolated kinetoplast DNA, minicircle contour length showed no evidence of species specificity

Taxonomy
Cursons, R. T. M.; and Brown, T. J., 1976, N. Zealand J. Marine and Freshwater Research, v. 10 (2), 245-262
pathogenic free-living amebae, identification, classification, agents of primary amebic meningo-encephalitis

Taxonomy
Daskalov, P., 1972, Izvest. Tsentral. Khelmint. Lab., v. 15, 49-56
Haemonchus contortus, morphological variation of linguiform females, cuticular inflations develop with increasing worm age but depend on worm reproductive activity rather than directly on age, occurrence of various forms of linguiform females does not depend on season, cuticular inflations should not be used as taxonomic characters since they are nonhereditary morphological variations

Taxonomy
Desch, C. E.; O'Dea, J.; and Nutting, W. B., 1971, Acarologia, v. 12 (3), 522-526
Demodex, description of proctodeum, valid structure for species discrimination, possibly a hydrostatic organ

Taxonomy
Gardener, P. J.; Chance, M. L.; and Peters, W., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 317-325
Leishmania spp., variation in electrophoretic mobility of malate dehydrogenase using disc polyacrylamide-gel method, results correlated with DNA buoyant density determinations on same isolates, preliminary summary of biochemical taxonomy presented

Taxonomy
Gardener, P. J.; Shchory, L.; and Chance, M. L., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 147-155
Leishmania species differentiation by morphometric comparisons of ultrastructural features of leishmanial amastigotes

Taxonomy
Garnham, P. C. C., 1973, J. Protozool., v. 20 (1), 37-42
second roundtable discussion of taxonomic problems relating to malaria parasites

Taxonomy
Gibson, D. I.; and Taylor, A. L., 1976, Parasitology, v. 73 (2), v [Abstract]
Ascaridoidea, excretory system, comment upon taxonomic significance and function

Taxonomy
Hadas, E.; Kasprzak, W.; and Mazur, T., 1977, Tropenmed. u. Parasitol., v. 28 (1), 35-43
Naegleria fowleri, N. gruberi and strains of Hartmannella spp., taxonomic differentiation by means of disc electrophoresis of protein patterns

Taxonomy
Homsher, P. J.; and Sonenshine, D. J., 1975, Tr. Am. Micr. Soc., v. 94 (3), 368-374
fine structure of Haller's organ in 10 species of Ixodes, light and scanning electron microscopy, significance to systematic analysis

Taxonomy
Hsu, C.-K.; Campbell, G. R.; and Levine, N. D., 1973, J. Protozool., v. 20 (2), 195-203
Leucocytozoon, checklist of species with synonyms and hosts

Taxonomy
Jones, T. A., 1975, N. England J. Med., v. 293 (8), 404 [Letter]
Pneumocystis carinii, ". . .incorrect use of the species name P. carinii to identify the organism that infects human beings. Until further identification and taxonomy can be provided, the general term 'pneumocystis species' would be more appropriate."

Taxonomy
Kallinikova, V. D., 1977, Molec. and Cell. Biochem., v. 14 (1-3), 55-58
Kinetoplastida, kinetoplast genetic system, implications for concept of cell differentiation and phylogeny, relationship to phenotype of these flagellates

Taxonomy
Karuppaswamy, S. A., 1977, Experientia, v. 33 (6), 735-736
Raillietiella gowrii, occurrence of β-chitin in cuticle as opposed to α-chitin found in arthropod cuticle, suggests that Pentastomida may be considered independent phylum

Taxonomy
Kepka, O.; and Rezaeian, M., 1976, Ztschr. Parasitenk., v. 50 (2), 210
Frenkelia glareoli, Sarcocystis tenella, chemotaxonomic comparison, disc electrophoresis, serology, close but not identical species

Taxonomy
Kethley, J. B.; and Johnston, D. E., 1975, Misc. Publication Entom. Soc. Am., v. 9 (5), 231-236
review of evolutionary relationships of bird and mammal ectoparasites and their hosts, resource tracking patterns of parasites through evolutionary time, selective pressure from hosts, host-transfers through time, discordances of parasite and host taxonomy in relation to parasite's ecological needs on host topography; particular discussion of Syringophilinae with mathematical analysis of host and parasite taxonomy

Taxonomy
Kilgour, V.; et al., 1974, Ann. Trop. Med. and Parasitol., v. 68 (2), 245-246
Leishmania spp., aminotransferases, demonstration of electrophoretic variation, potential for differentiating isolates and deriving taxonomic characters

Taxonomy
Kilgour, V.; Godfrey, D. G.; and Na'isa, B. K., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 329-335
Trypanosoma vivax, three distinct isoenzyme patterns of two aminotransferases, possible use in identification and subspeciation, Nigerian cattle (nat. and exper.), sheep (exper.), goats (exper.)

Taxonomy
Korenberg, E. I.; and Lebedeva, N. N., 1976, Biul. Moskov. Obshch. Ispyt. Prir., Otdel. Biol., n. s., v. 81 (2), 72-81
Ixodes persulcatus as example of the category "population class" within the next higher rank, regional population complex

Taxonomy
Kruse, G. O. W., 1976, Proc. Nebraska Acad. Sc., 20
Haematoloechus, computer analysis of complex of six species found in lungs of anurans: Nebraska

Taxonomy
Lainson, R.; and Shaw, J. J., 1977, J. Trop. Med. and Hyg., v. 80 (2), 29-35
cross-immunity trials with Cebus apella apella and observations on natural and experimental human infections confirm separate identity of Leishmania mexicana mexicana, L. m. amazonensis, L. braziliensis braziliensis, L. b. guyanensis and L. b. panamensis

Taxonomy
Lambert, A., 1976, Compt. Rend. Acad. Sc., Paris, v. 282, s. D, Sc. Nat. (11), 1109-1112
Ergenstrema mugilis, first description of larvae, haptor and chaetotaxy compared with Dactylogyrus extensus, importance of these characters in taxonomy of Monogenea

Taxonomy
Lamy, L. H., 1971, Bull. Inst. Pasteur, Paris, v. 69 (4), 401-420
Leishmania donovani, Trypanosoma cruzi, T. brucei group, comparisons of life cycle, morphology, reproduction and development, metabolism, extensive review

Taxonomy
Lamy, L. H.; and Crignon, I., 1972, Protistologica, v. 8 (4), 435-438
Entamoeba, position of endosome inside nucleus of trophozoites, use as specific character in relation to number of cyst nuclei

Taxonomy
Letch, C. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 380-381 [Demonstration]
Hemiclepsis marginata as vector of fish trypanosomes in River Lee; isoenzyme techniques for characterization of isolated fish trypanosomes supports finding that all should be classified as single species

Taxonomy
Lewis, D. H., 1975, J. Protozool., v. 22 (3), 344-352
Leishmania spp., 4 reptilian vs. 1 mammalian isolates, ultrastructure of promastigotes, possible characters for use in taxonomy and species or strain differentiation

Taxonomy
Lumsden, W. H. R., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 74-75 [Letter]
Leishmania spp., classification of taxonomic characters using morphology, chemical structure, immunologic effect, behaviour and clinical outcome in man as criteria

Taxonomy
Mack, J. K.; and Birova, V., 1976, Biologia, Bratislava, s. B, Zool. (1), v. 31 (2), 91-103
Heterakis gallinarum, variations in tail length, numbers of caudal papillae, positions of caudal papillae, configuration of alae; various phenotypes, significance in helminthological systematics

Taxonomy
McVicar, A. H., 1977, Internat. J. Parasitol., v. 7 (6), 439-442
Acanthobothrium quadripartitum, bothridial hooks, growth characteristics throughout development, significance of measurements of different hook components in diagnosis of Acanthobothrium species

Taxonomy
Maggenti, A. R., 1976, Organ. Nematodes (Croll), 1-10
Nematoda, taxonomic position among pseudocoelomate bilateria, should be considered as independent phylum, proposed classification of higher taxa

Taxonomy
Matossian-Rogers, A.; Lumsden, W. H. R.; and Dumonde, D. C., 1976, Immunology, v. 31 (1), 1-19
Leishmania enriettii, L. tropica major, L. aethiopica, L. mexicana amazonensis, numerical immunotaxonomy, differentiation according to reactivity and cross-reactivity in tests of parasite agglutination, indirect immunofluorescence, and passive cutaneous anaphylaxis

Taxonomy
Mattei, D. M.; et al., 1977, FEBS Letters, v. 74 (2), 264-268
Trypanosoma cruzi, biochemical strain characterization by restriction endonuclease cleavage of kinetoplast-DNA, comparison to Herpetomonas samuelpessoai, possible application in kinetoplastid taxonomy

Taxonomy
Mehlitz, D., 1975, Tropenmed. u. Parasitol., v. 26 (3), 265-275
Trypanosoma spp. of Nannomonas, Duttonella, and Trypanozoon subgenera, comparison of indirect fluorescent antibody test and complement fixation test as means of differentiating subgenera by serology and persistence of antibodies

Taxonomy
Momen, H., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 438-439 [Demonstration]
Babesia spp., enzyme variations as significant aid to taxonomic study

Taxonomy
Momen, H.; and Chance, M. L., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 13-14 [Demonstration]
Babesia spp., Anthemosoma garnhami, differences in DNA buoyant densities as possible aid to taxonomic studies

Taxonomy
Moss, W. W.; Peterson, P. C.; and Atyeo, W. T., 1977, System. Zool., v. 26 (4), 386-409
Eustathiidae, application of numerical taxonomic techniques to obtain a classification, multivariate assessment of phenetic relationships within family

Taxonomy
Muehlpfordt, H.; and Schottelius, J., 1977, Tropenmed. u. Parasitol., v. 28 (1), 1-7
attempted differentiation of Trypanosoma cruzi strains and T. cruzi-like strains from T. rangeli and T. conorhini using agglutination reactions to protectin from sponges and lectin from Soja hispida

Taxonomy
Omar, M. S., 1977, Tropenmed. u. Parasitol., v. 28 (1), 100-108
Wuchereria bancrofti, Brugia malayi, B. pahangi, Dirofilaria immitis, distribution of acid phosphatase activity in larval stages in the mosquito, presence or absence of enzymic activity in the excretory cell complex and amphids of developing larvae useful as adjunctive diagnostic method

Taxonomy
Parr, C. W.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 147 [Abstract]
trypanosome isolates, taxonomic differentiation by electrophoretic characterization of enzymes

Taxonomy
Pence, D. B.; and Casto, S. D., 1976, J. Med. Entom., v. 13 (1), 71-95
Ptilonyssus sairae, taxonomic status, comparative morphology, variation

Taxonomy
Peterson, P. C., 1975, Misc. Publication Entom. Soc. Am., v. 9 (5), 237-242
feather mites of birds, host-parasite distribution by taxa, feather anatomy, mathematical analysis of barb width and location in relation to mite distribution, basis for further studies of host-parasite evolution

Taxonomy
Price, R. D.; and Hellenthal, R. A., 1975, J. Med. Entom., v. 12 (4), 401-408
Geomydoecus texanus complex, mathematical evaluation of characters for diagnostic usefulness

Taxonomy
Radhakrishnan, S., 1977, Hydrobiologia, v. 52 (2-3), 251-255
Peniculisa wilsoni sp. nov., length of caudal processes in relation to total length of the prolongation of the abdomen of little taxonomic value

Taxonomy
Richard, J., 1977, Parasitology, v. 75 (1), 31-43
Maritrema, Microphallus, cercariae, chaetotaxy, taxonomic value

Taxonomy
Ross, G. C., 1976, Comp. Biochem. and Physiol., v. 55 (3B), 343-346
Schistosoma spp., isoenzymes, lactate dehydrogenase, malate dehydrogenase, acid phosphatase, isoelectric focusing in polyacrylamide gel, possible applications in taxonomy and diagnosis, factors considered in assessing results (include age and sex of parasite, host relationships, etc.)

Taxonomy
Ross, J. F.; and Smith, S. M., 1976, Canad. J. Zool., v. 54 (7), 1084-1102
comments on useful characters in taxonomy of Mermithidae

Taxonomy
Sandon, H., 1976, Tr. Am. Micr. Soc., v. 95 (3), 357-366
opalinids with special reference to Protoopalina, problems in specific identification, speculations about evolution

Taxonomy
Schantz, P. M.; et al., 1975, Tropenmed. u. Parasitol., v. 26 (3), 334-344
Echinococcus granulosus, morphology of strobilae from domestic animals compared with those of Echinococcus spp. collected from sylvatic animals, because of few variations in taxonomy concluded that all represent the single species of E. granulosus; foxes apparently become infected after scavenging dead sheep

Taxonomy
Setasuban, P., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 190-194
Ancylostoma caninum, A. tubaeforme, attempted experimental cross-breeding with failure to produce progeny even though the two strains copulated, egg production observed only in identical single-strain combinations supporting assumption that the two species are genetically separate

Taxonomy
Sey, O., 1972, Parasitol. Hungar., v. 5, 17-38
Paramphistomum daubneyi, morphology and development of eggs, epidermal structure of terebratorium can be used to distinguish higher taxa of family and genus

Taxonomy
Stevens, A. R.; et al., 1977, J. Protozool., v. 24 (2), 316-324
Acanthamoeba castellanii, A. culbertsoni, isolation and purity of plasma membrane antigens (electron microscopy, assays of marker enzymes), antisera raised against these antigens tested against homologous and heterologous Acanthamoeba spp. in agglutination and immunofluorescence tests, results strongly indicate value of plasma membrane antisera for immunotaxonomy and immunodiagnosis of Acanthamoeba

Taxonomy
Steyskal, G. C., 1971, Acarologia, v. 12 (4), 639-642
guide to grammar of acarine nomenclature

Taxonomy
Stunkard, H. W., 1976, Biol. Bull., v. 150 (2), 294-317
bucephalid trematodes, life cycles, intermediate hosts, systematics, review

Taxonomy
Sucharit, S.; et al., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 549-554
Wuchereria bancrofti, Brugia spp., attempted differentiation using morphological characteristics

Taxonomy
Tadros, W.; and Laarman, J. J., 1976, Acta Leidensia, v. 44, 107 pp.
Sarcocystis and related coccidian parasites, general review with discussion of biological aspects of life cycles and new proposal for classification

Taxonomy
Terwedow, H. A., jr.; and Huff, R. L., 1976, J. Parasitol., v. 62 (1), 172-174
Wuchereria bancrofti microfilariae, localization and pattern of acid phosphatase activity, possible taxonomic tool in differentiating microfilariae of different species but strain and technique variation must be taken into account

Taxonomy
Toyos Aparicio, J. M., 1974, An. Fac. Vet. Leon, v. 20, 35-90
35 strains of Trichomonas vaginalis, taxonomy, morphology, culture, biochemistry, diagnosis, pathology, comparison of pathogenicity in natural and experimental infections, mice, no relationship observed between pathogeny and clinical picture

Taxonomy
White, G. B., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 166
publications such as abstracts and correspondences should be judiciously refereed to avoid infringements of Rules of the International Code of Zoological Nomenclature

Tchad
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epidemiologic and clinical review of Leishmania donovani in Tchad

Tchad
Nebout, N., 1971, Medecine Trop., v. 31 (2), 229-232
important focus of human onchocerciasis in the southern area of Tchad near Baibokoum

Tchad
Vedy, J., 1972, Medecine Trop., v. 32, Special number, 427-433
onchocerciasis, review of causes of human blindness in Tchad

Tchad
Vedy, J.; et al., 1973, Medecine et Armees, v. 1 (1), 25-32
review of forms of human leishmaniasis, pathology with emphasis on ocular lesions, case reports: Tchad

Teaching. See Parasitology, Education.

Technique. [See also Culture; Diagnosis; Immunity]

Technique
Ackman, R. G., 1976, J. Fish. Research Bd. Canada, v. 33 (12), 2819-2821
Terranova decipiens, volatile ketones and alcohols from axenic culture medium, from worms from culture and from fish, study techniques

Technique
Bassal, T. T. M., 1973, J. Med. Entom., v. 10 (2), 228
Dermacentor andersoni, Ornithodoros moubata, O. savignyi, hemolymph, use of silicic acid chromatograms to detect microamounts of trehalose and other sugars

Technique
Bout, D.; et al., 1977, J. Immunol. Methods, v. 15 (1), 1-8
S[chistosoma] mansoni, schistosomicide drugs used as ligands to isolate target antigens by affinity chromatography, to characterize their enzyme functions and localization on the parasite, and to define their immunogenic capacity

Technique
Brown, M. C.; et al., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 369-370
schistosomes, in vitro activity monitor, useful in vitro test for drugs affecting motor activity of schistosomes and other small worms, example with Schistosoma mansoni and metrifonate

Technique
De Rosis, F.; Ferretti, G.; and Gabriele, F., 1972, Parassitologia, v. 14 (2-3), 303
Cestoda, in vitro, analysis of movement and viability, digitalization of photogrammetry, elaboration of data

Technique
Dukes, J. C.; and Rodriguez, J. G., 1976, J. Kansas Entom. Soc., v. 49 (4), 562-566
Dermacentor variabilis, Amblyomma americanum, Rhipicephalus sanguineus, choice tube bioassay to measure responses to various host odors and several chemical compounds

Technique
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Schistosoma mansoni, direct method utilizing suction electrodes for simultaneous recording of electrical activity and motility of adult male worms

Technique
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Leucochloridiomorpha constantiae adults, gelatin film technique for localization of proteolytic activity in intestinal ceca and acetabular gland cells

Technique
Haston, W. S., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 146 [Abstract]
Trypanosoma brucei, gradient diver technique used to measure oxygen uptake of culture forms for the purpose of studying metabolism of developmental stages

Technique
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Macracanthorhynchus hirudinaceus, physiology of circular and longitudinal body wall muscles, activation system

Technique
Jewsbury, J. M.; Homewood, C. A.; and Marshall, I., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 115 [Demonstration]
Schistosoma mansoni, apparatus for measuring activity of parasites in vitro, application to measure drug activity against parasite

Technique
Kohen, E., 1974, J. Protozool., v. 21 (3), 430 [Abstract]
technique for study of metabolic and transport events at unicellular level by rapid microspectrofluorometry

Technique
Mason, P. R.; and Fripp, P. J., 1976, J. Parasitol., v. 62 (5), 721-727
Schistosoma mansoni, miracidial movement in relation to age, temperature, pH, light intensity, light shock, and snail-conditioned water, dark-ground photographic technique

Technique
Podesta, R. B., 1977, Exper. Parasitol., v. 42 (2), 289-299
Hymenolepis diminuta, method for in vitro determination of marker distribution volumes of mucosal extracellular space (MES) and tissue extracellular space (TES), TES also used to estimate intracellular concentration of sodium, applications and limitations in studies on kinetics of solute uptake

Technique
Podesta, R. B.; et al., 1977, Exper. Parasitol., v. 42 (2), 300-317
Hymenolepis diminuta, determination of unidirectional uptake rates for various nonelectrolytes across surface 'epithelial' membrane, methods examined for sources of error originating both from natural variability and from the various techniques used

Technique
Portaro, J. K.; Kowalski, J. C.; and Ash, L.R., 1977, Exper. Parasitol., v. 43 (1), 122-127
adaptation of Meriones unguiculatus lymphocytes to an in vitro microassay system, use in study of cellular immune function with mitogens, mitogen reactivity decreased with jird age and was depressed by infection with Brugia pahangi

Technique
Reid, W. A.; Phillips, S. M.; and Roscinski, R. J., 1977, Exper. Parasitol., v. 42 (2), 331-342
Schistosoma mansoni, radioisotope uptake and retention by cercariae and developing schistosomules, evaluation of this methodology for identifying selective worm populations and their products for prolonged periods of time

Technique
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new technique for visualizing changes in lymphatics caused by filarial worms, injection of Hypaque solution followed by Xeroradiography, use with Brugia pahangi in cats

Technique
Sanderson, C. J.; Lopez, A. F.; and Moreno, M. M. B., 1977, Nature, London (5618), v. 268, 340-341 [Letter]
Trypanosoma cruzi, isotopic technique for assaying killing of epimastigotes in which criterion of parasite death is release of macromolecular RNA, use of assay to investigate nature of effector cell killing T. cruzi in antibody-dependent complement-independent system, eosinophils show strong activity, whereas lymphoid K cells seem to have insignificant activity

Technique
Sherman, I. W.; and Jones, L. A., 1976, J. Protozool., v. 23 (2), 277-281
Plasmodium lophurae, reliable procedure for isolation of active ribosomes, optimal requirements for in vitro synthesis of proteins, effects of variety of drugs on duck reticulocyte and plasmodial ribosomes in cell-free protein-synthesizing systems (restricted selectivity not obtained)

Technique
Winward, L. D., 1976, Exper. Parasitol., v. 40 (1), 74-76
Syngamus trachea, larvae injected into embryonic chicken eggs survived entire period of time necessary for embryos to develop and hatch, some migrated to trachea and completed life cycle in chickens hatched from these eggs

Technique
Winward, L. D.; and Russell, B. R., 1976, Exper. Parasitol., v. 40 (1), 77-79
Syngamus trachea, turkeys, infections produced by parenteral inoculations (larvae injected into veins, skin, peritoneum, musculature, and trachea)

Technique, Arthropoda
Chamberlain, W. F.; et al., 1977, J. Econom. Entom., v. 70 (5), 586-588
Haematobia irritans, fluorescent dyes most satisfactory mechanized technique for marking large numbers of horn flies in sterilized fly release tests

Technique, Arthropoda
Miller, J. A.; et al., 1977, J. Econom. Entom., v. 70 (2), 179-182
techniques for shipping large numbers of Haematobia irritans, O_2 depletion and CO_2 accumulation critical factors in survival of flies, laboratory and field trials

Technique, Arthropoda
Mahoney, D. F.; and Mirre, G. B., 1977, Research Vet. Sc., v. 23 (1), 126-127
Babesia bovis, observations on dynamics of transovarial transmission by Boophilus microplus allowed selection of larval tick cultures containing a high proportion of infected individuals

Technique, Arthropoda
Roberts, L. W.; and Ram, S., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 271 [Demonstration]
Leptotrombidium akamushi, microdissection technique to study scrub typhus disease cycle in the vector mite including screening of potential mite vectors for presence of rickettsial infection and comparative morphologic studies of internal organs of mites

Technique, Arthropoda
Schreuder, B. E. C.; and Uilenberg, G., 1976, Tropenmed. u. Parasitol., v. 27 (4), 422-426
technique for infecting ticks (Amblyomma variegatum and Rhipicephalus appendiculatus) with cattle Theileriidae by injecting bovine blood with high parasitemia through cuticle into fully engorged nymphs, after moulting ticks transmitted parasite to susceptible calf

Technique, Arthropoda
Sweatman, G. K.; Tomey, G.; and Katul, G., 1976, Internat. J. Parasitol., v. 6 (4), 299-305
Hyalomma dromedarii, techniques for simultaneous and continuous recording by telemetry of (1) the feeding electrogram of the tick engorging on a free-ranging heifer and (2) the temperature of the tick at the site of attachment

Technique, Arthropoda
Wade, J. O., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 113-120
arthropods, design for membrane feeding unit embodying electrical stirring device to insure even erythrocyte distribution throughout blood during feeding period

Technique, Autoradiography. See Autoradiography.

Technique, Centrifugation. See Centrifugation.

Technique, Cestoda
Oaks, J. A.; Knowles, W. J.; and Cain, G. D., 1977, J. Parasitol., v. 63 (3), 476-485
Hymenolepis diminuta, simple method for isolating enriched preparation of tegumental brush border

Technique, Chromatography. See Chromatography.

Technique, Concentration of specimens. See Technique, Parasite collection and recovery; Technique, Specimen preparation and preservation.

Technique, Counting. [See also Technique, Egg-count; Technique, Statistical methods]

Technique, Counting
Abaru, D. E.; and Denham, D. A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 333-334
laboratory evaluation of new technique for counting microfilariae in blood, comparison with counting chamber method, possible advantages of new technique in field studies

Technique, Counting
Borg, O. A.; and Woodruff, A. W., 1976, Brit. Med. J. (6036), v. 2, 621-622
technique for recovery of Toxocara spp. ova from soil in order to assess environmental contamination

Technique, Counting
Braun-Munzinger, R. A.; Scheiber, P.; and Southgate, B. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 548-549
Onchocerca volvulus, humans, simplified modifications of the microtitration plate technique for determining microfilariae densities in skin snips, use in epidemiologic surveys

Technique, Counting
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automatic nematode counter

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Technique, Egg-count
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schistosomiasis mansoni and japonicum in intact and splenectomized Microtus montanus compared with mice (all exper.), susceptibility, worm burdens, splenic involvement, vole as suitable host for investigating immune response to human schistosomes and exper. model for concomitant infections of schistosomes and plasmodia or trypanosomes

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Trypanosoma cruzi, Chinchilla lanigera as new highly susceptible laboratory host

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Technique, Experimental hosts
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Hexamita muris, Giardia muris, potentially pathogenic in newly weaned mice, causing enteritis and mortality in association with normal intestinal bacterial flora, quinacrine dihydrochloride not effective in reducing mortality, dimetridazole effective

Technique, Experimental hosts
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Mansonella ozzardi, technique for infecting small insects like Aedes aegypti, Culicoides riethi and C. variipennis for laboratory study

Technique, Experimental hosts
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Technique, Experimental hosts
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Technique, Experimental hosts
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Technique, Experimental hosts
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successful infection of Anopheles balabacensis balabacensis by feeding on splenectomized Macaca mulatta, transmission to Macaca mulatta via bite of Anopheles balabacensis balabacensis or via inoculation of infected salivary glands; comparative infectivity to Anopheles freeborni, Anopheles maculatus, Anopheles quadrimaculatus

Technique, Experimental hosts
Collins, W. E.; et al., 1977, J. Parasitol., v. 63 (1), 52-56
Plasmodium falciparum, Santa Lucia strain isolated from El Salvador, sensitive to commonly used antimalarial drugs, established in Aotus trivirgatus griseimembra (exper.), successful transmission from monkey to monkey both by transfusion of infected blood and through bites of infected Anopheles freeborni, A. maculatus, and A. albimanus (all exper.), description of course of infection, higher parasitemia and mortality in animals previously exposed to Plasmodium vivax, parasitemia in animals exposed to P. vivax and P. cynomolgi lower than those exposed to P. vivax only

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Plasmodium malariae, comparative infectivity studies with 5 species of anophelines feeding on infected Aotus trivirgatus; results of passages in A. trivirgatus

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establishment of Encephalitozoon cuniculi-free rabbit colony, serological screening by immunofluorescence, isolation of seronegative rabbits, elimination of later positive ones

Technique, Experimental hosts
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Technique, Experimental hosts
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Trypanosoma vivax, Desowitz strain, susceptibility of rats and mice via intraperitoneal and subcutaneous routes, virulence for rodents after passage in Rhodnius prolixus and Musca domestica, susceptibility of sheep to this rodent strain, infection of rodents via gastric and buccal routes, indefinite preservation by freezing at -70°C.

Technique, Experimental hosts
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Dirofilaria immitis, cats (exper.), microfilaremia, immediate skin hypersensitivity, cutaneous nodules, chylothorax, low adult worm recoveries, one successful mosquito passage from cat to dog

Technique, Experimental hosts
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Technique, Experimental hosts
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Schistosoma mansoni, Arvicanthis niloticus suitable laboratory hosts, susceptibility best before age of two months

Technique, Experimental hosts
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Schistosoma mansoni-infected mice, liver collagen synthesis, reproducible animal model of immunologically stimulated human liver fibrosis

Technique, Experimental hosts
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Brugia malayi, no correlation between prepatent period and either the size of B. malayi inoculum or the number of adult female worms recovered from infected Meriones unguiculatus (exper.)

Technique, Experimental hosts
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Schistosoma mansoni, infection pattern in Arvicanthus niloticus, high cercarial exposures, route of infection, host age and sex, effect on infection rate, comparison with hamster and mouse

Technique, Experimental hosts
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Trypanosoma musculi, establishment of experimental infection in midgut of Glossina morsitans morsitans, possible use of tsetse flies as laboratory model

Technique, Experimental hosts
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Brugia malayi, distribution and development in cats reinfected in 1 of 3 ways (on previously infected hind limb only, on contralateral infected limb only, or on both hind limbs simultaneously)

Technique, Experimental hosts
Farrell, J. P., 1976, Exper. Parasitol., v. 40 (1), 89-94
Leishmania donovani, acquired resistance in Mesocricetus auratus, previous subcutaneous infection confers ability to limit visceral parasite numbers after intracardial challenge, possible model for study of immunity to kala-azar

Technique, Experimental hosts
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technique for post-feeding transportation and maintenance of Simulium ochraceum infected with Onchocerca volvulus from area of infection in Guatemala to research laboratories in California

Technique, Experimental hosts
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Plasmodium berghei, rats, mice, simple method for transmitting infection by inoculation of immature exoerythrocytic schizonts, possibility that infection has been induced by other life cycle stages has been experimentally excluded, potential applications of this technique

Technique, Experimental hosts
Fox, E. G.; and Schacher, J. F., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 523
Brugia pahangi-infected syngeneic laboratory rat-strains, permits differential studies of cellular response elicited by filarial infection and possible analysis of effect of histocompatibility type on immunopathologic picture of infection in man

Technique, Experimental hosts
Frenkel, J. K., 1977, Am. J. Path. (418), v. 86 (3), 749-752
Besnoitia jellisoni in Mesocricetus auratus (exper.), chronic infection of hamsters provides a sensitive example of immunosuppression by corticosteroids and cytostatic agents, permits study of corticosteroid effects on chronic infection-immunity in the adrenals or the body as a whole

Technique, Experimental hosts
de Gee, A. L. W.; Ige, K.; and Leeflang, P., 1976, Internat. J. Parasitol., v. 6 (5), 419-421
Trypanosoma vivax, bovine isolates with inherent property for serial maintenance in mice, cyclical transmission by tsetse flies from sheep to sheep and goat to goat without affecting mouse infectivity, mice not suitable for direct fly transmission experiments

Technique, Experimental hosts
Gerber, H. M., 1975, J. South African Vet. Ass., v. 46 (3), 273-275
percutaneous infestation of pure strains of Oesophagostomum radiatum and O. columbianum respectively in calves and lambs, fecal egg counts, worm development and recovery

Technique, Experimental hosts
Gharib, H.; and Tadros, M. B., 1974, Med. J. Cairo Univ., v. 42 (4), 293-301
factors affecting laboratory breeding of Schistosoma mansoni and Schistosoma haematobium vector snails; disinfectant (Halamid) possibly useful as molluscicide

Technique, Experimental hosts
Graber, M.; Euzeby, J.; and Gevrey, J., 1977, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 30 (3), 293-302
Schistosoma mansoni, method for laboratory culture of intermediate host (Biomphalaria glabrata)

Technique, Experimental hosts
Grove, D. I.; and Warren, K. S., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 608-612
hamsters used as laboratory model for study of human Schistosoma mansoni infections, relation of intensity of infection to severity of disease, effect of these parameters on mortality, weight loss and development of acute hepatic disease assessed

Technique, Experimental hosts
Guptavanij, P.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 98-99 [Demonstration]
Brugia malayi, transmission of periodic infection from man to cats (exper.), comparative statistics of infections in both subjects

Technique, Experimental hosts
Hanna, R. E. B.; and Jura, W., 1976, Research Vet. Sc., v. 21 (2), 244-246
Fasciola gigantica juveniles, in vitro maintenance, no significant growth but no physiological damage for at least 6 weeks, subsequent infectivity for mice, more flukes established from intraperitoneal injection of juveniles than oral infection of metacercariae, mouse as probable model host

Technique, Experimental hosts
Harbut, C. L., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (4), 487-491
Brugia pahangi, B. malayi, evaluation of susceptibility and potential uses of white rats and golden hamsters (Mesocricetus auratus) as laboratory hosts; successful B. pahangi infections established in rats and hamsters; hamsters inoculated with B. malayi failed to develop patent infections although adult worms occurred within testes and/or heart and lungs, carcass

Technique, Experimental hosts
Harness, E.; Doy, T. G.; and Hughes. D. L., 1977, Parasitology, v. 75 (2), v-vi [Abstract]
Fasciola hepatica, mice, number of flukes recovered from liver in primary and challenge infections, effect of time of challenge; dose size necessary to ensure sufficient number of mice with adult flukes in bile ducts, no advantage to using more than 2 metacercariae but when this number is used as challenge infection in assessing immunity it must be remembered that approximately 1/3 of the mice will fail to become infected

Technique, Experimental hosts
Hendley, J. O.; and Weller, T. H., 1971, Proc. Soc. Exper. Biol. and Med., v. 137 (4), 1401-1404
Pneumocystis carinii, cortisone-treated rats (exper.) as ready source of organisms for laboratory study, system of cortisonizing rats by oral route devised, intensity of infection related to length of treatment time

Technique, Experimental hosts
Henning, J.; and Youssef, G., 1976, Egypt. J. Bilharz., v. 3 (1), 45-55
Schistosoma mansoni, influence of diet on reproduction and infectivity in mass cultivation of Biomphalaria glabrata snail vectors

Technique, Experimental hosts
Ho, B.-C.; et al., 1976, Internat. J. Parasitol., v. 6 (2), 113-116
Breinlia booliati, transmission to different strains of laboratory rats by various routes of inoculation, female rats more susceptible to infection than males, localization of adult worms in thoracic and abdominal cavities

Technique, Experimental hosts
Holdstock, R. P., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 9 [Demonstration]
Dipetalonema viteae, Mastomys natalensis a successful exper. host with patent infections established in mature males and immature males and females, periodicity, parasite localization, peripheral microfilaremia in relation to presence of female worms

Technique, Experimental hosts
Howes, H. L., jr., 1972, Proc. Soc. Exper. Biol. and Med., v. 139 (2), 394-398
Trichuris muris and other helminths, dogs, mice (both exper.), CP-14,445 hydrochloride and pamoate compared with activity of known anthelmintics; dosage response data indicate that T. muris-mouse infection could be test model for antiwhipworm studies

Technique, Experimental hosts
Huebler, D., 1975, Pharmazie, v. 30 (5), 324-326
Fasciola hepatica, rabbits superior to rats as experimental host for screening trials of fasciolicides, laboratory trials using known anthelmintics

Technique, Experimental hosts
Hughes, D. L.; Harness, E.; and Doy, T. G., 1976, Research Vet. Sc., v. 20 (2), 207-211
Fasciola hepatica, rats of PVG vs. SD strains, comparison of establishment and duration of infection and development of acquired resistance

Technique, Experimental hosts
Hutchinson, G. W.; and Slocombe, J. O. D., 1976, J. Helminth., v. 50 (3), 143-152
Haemonchus contortus in rabbits (exper.), parasitological findings, developmental morphology, concluded that laboratory rabbit could be useful experimental host

Technique, Experimental hosts
Irvin, A. D.; et al., 1973, Isotopes and Radiation Parasitol. III, 155-159
Theileria parva-macroschizont-infected bovine lymphoid cells inoculated into whole-body-irradiated mice, tumors containing macroschizont-infected lymphoid cells developed at inoculation site, no evidence that parasites had invaded mouse cells nor that mouse cells were involved in tumor formation, parasitized cells from tumors successfully transferred back to tissue culture and into other irradiated mice

Technique, Experimental hosts
Irvin, A. D.; et al., 1976, J. Comp. Path., v. 86 (1), 51-57
Theileria parva-infected bovine lymphoid cells grown in mice, immunization of cattle with cells passaged in mice

Technique, Experimental hosts
Irvin, A. D.; et al., 1977, Vet. Parasitol., v. 3 (2), 141-160
Theileria parva-infected lymphoid cells grown in culture inoculated by different routes into neonatal and adult immunosuppressed Swiss mice and into irradiated and non-irradiated athymic (nude) mice, successful establishment and passage in irradiated nude mice indicate potential usefulness of this model

Technique, Experimental hosts
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unsuccessful attempts to grow Theileria parva-infected bovine lymphoid cells in a variety of laboratory animal systems (normal mice, newborn mice, hamster cheek pouches, anterior chamber of rabbits' eyes)

Technique, Experimental hosts
Jabir, M.H.; Kadhim, J.K.; and Singh, K.S., 1977, Vet. Parasitol., v. 3 (1), 67-73
Dictyocaulus filaria, Awasi sheep dosed at about 200 larvae/kg body weight are good producers of live larvae

Technique, Experimental hosts
Jindrak, K.; Mansukhani, M. G.; and Freiberg, A., 1977, J. Parasitol., v. 63 (6), 1132-1133 [See J. Parasitol., 1978, v. 64 (1), p. 44.]
Angiostrongylus cantonensis, use of commercially available edible snails Otala lactea and Helix aperta as laboratory hosts

Technique, Experimental hosts
Joyner, L. P., 1971, Symposia Brit. Soc. Parasitol., v. 9, 1-37
laboratory maintenance of tick-borne Babesia and Theileria, extensive review: collection of field material and infection of laboratory animals; management and preparation of experimental animals; cyclical maintenance; mechanical transmission; tissue culture; low-temperature preservation

Technique, Experimental hosts
Kamei, K.; Sato, K.; and Tsunematsu, Y., 1976, J. Parasitol., v. 62 (5), 714
Toxoplasma gondii, IVCS strain mouse highly susceptible even to parasite strains of low virulence, use in diagnosis by animal inoculation

Technique, Experimental hosts
Kamiya, M.; and Klongkamnuankarn, K., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 573 [Demonstration]
Angiostrongylus cantonensis, rabbits as experimental host model, immunological response to hemagglutination test

Technique, Experimental hosts
Kamiya, M.; Klongkamnuankarn, K.; and Harinasuta, C., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (2), 233-236
Angiostrongylus cantonensis, comparison of oral, subcutaneous and intraperitoneal routes for infecting experimental rats, results show that infection could also be established in nature by penetration through wounds or skin abrasions thus putting at risk laboratory workers caring for infected vector snails

Technique, Experimental hosts
Kayes, S. G.; and Oaks, J. A., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 575-580
effect of inoculum size and length of infection on distribution of Toxocara canis larvae in mouse, analysis of variance of larval recovery from various organs, crowding effect observed in heavy infections manifested as altered dispersion rates

Technique, Experimental hosts
Keithly, J. S., 1976, J. Protozool., v. 23 (2), 244-245
Leishmania donovani, improved infectivity assay using hamsters confirms greater infectivity of amastigotes vs. promastigotes

Technique, Experimental hosts
Kepron, W.; et al., 1977, Am. Rev. Resp. Dis., v. 115 (4, pt. 2), 61 [Abstract]
Ascaris suis, technique for repeated artificial infestation of dogs with infective ova to provide simple and reliable model for study of allergic bronchoconstriction

Technique, Experimental hosts
Killick-Kendrick, R., 1971, Symposia Brit. Soc. Parasitol., v. 9, 39-64
murine malaria parasites: collection of strains from rodents; collection of strains from mosquitoes; establishment of strains in the laboratory; maintenance by cyclical transmission, extensive review

Technique, Experimental hosts
Kingston, N.; and Trueblood, M. S., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 42-45
Anaplasma marginale, attempted infection of small laboratory animals gave equivocal or negative results, organ cultures prepared from exposed Dermacentor andersoni failed to maintain infection, attempts to grow in chick embryos by direct inoculation gave negative results

Technique, Experimental hosts
Knight, R. A., 1977, J. Parasitol., v. 63 (5), 957-958
Trichostrongylus affinis, Nematodirus spathiger, rabbits (exper.), effect of dexamethasone (higher egg counts but no difference in numbers of worms that developed, did not prevent worm expulsion)

Technique, Experimental hosts
Kunstyr, I.; and Ammerpohl, E., 1976, Ztschr. Parasitenk., v. 50 (2), 212
Hexamita muris, isolation, establishment of infection in thymusless mice, possible experimental model for immunological studies

Technique, Experimental hosts
Kunstyr, I.; Ammerpohl, E.; and Meyer, B., 1977, Lab. Animal Sc., v. 27 (5), part II, 782-788
Spironucleus muris, nude mouse (exper.) an excellent model for immunologic and pharmacologic studies; dimetridazole, metronidazole, tinidazole, and Acranil tested

Technique, Experimental hosts
Kuntz, R. E.; et al., 1974, Proc. Helminth Soc. Washington, v. 41 (2), 221-223
Schistosoma intercalatum, Didelphis marsupialis (exper.), only minor pathologic changes, no involvement of urogenital system

Technique, Experimental hosts
Kuntz, R. E.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 494-502
Schistosoma haematobium in Hylobates lar (exper.), resulting bladder calcifications and papillary tumors of bladder and ureters similar to human infection, possible laboratory model

Technique, Experimental hosts
Kuntz, R. E.; Moore, J. A.; and Huang, T. C., 1975, Proc. Oklahoma Acad. Sc., v. 55, 143-146
Schistosoma haematobium, Iran strain, certain animals not recommended as models for experimental research

Technique, Experimental hosts
Laemmler, G.; et al., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 327-341
Capillaria hepatica in Mastomys natalensis as a model system, review: infection and early development, egg production, host reactions (pathological and pathophysiological changes, serologic response), implications for human infections

Technique, Experimental hosts
Le Bars, H.; and Banting, A. de L., 1976, Pathophysiol. Parasit. Infect., 75-82
Fasciola hepatica, sheep, rabbits, pathophysiology (serum proteins, enzymes, urea, lipids), concluded that rabbit cannot be used as model for pathophysiological studies

Technique, Experimental hosts
Leeflang, P.; Buys, J.; and Blotkamp, C., 1976, Internat. J. Parasitol., v. 6 (5), 413-417
Trypanosoma vivax, mouse inoculation for diagnosis of infection in cattle, only early natural infections were capable of infecting mice, serial maintenance in mice did not change pathogenicity for ruminants

Technique, Experimental hosts
Leeflang, P.; Ige, K.; and Olatunde, D. S., 1976, Internat. J. Parasitol., v. 6 (6), 453-456
Trypanosoma vivax, infectivity of cyclically and mechanically transmitted ruminant infections for mice and rats, results emphasize value of blood inoculation of rodents for detecting early infections of T. vivax

Technique, Experimental hosts
Letonja, T., 1975, Bol. Chileno Parasitol., v. 30 (1-2), 32-33
Mesocricetus auratus (exper.) infected with Cysticercus cellulosae, possible definitive host for study of Taenia solium

Technique, Experimental hosts
Lewert, R. M.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 214-222
Schistosoma japonicum, technique for maintenance of snail vectors in laboratory, differences among strains of Oncomelania snails from the Philippines

Technique, Experimental hosts
Liang, Y., 1975, Malacol. Rev., v. 8 (1-2), 123
Fasciola hepatica, laboratory cultivation of Fossaria bulimoides snail hosts

Technique, Experimental hosts
von Lichtenberg, F.; Sher, A.; and McIntyre, S., 1977, Am. J. Path. (419), v. 87 (1), 105-124
Schistosoma mansoni schistosomula, mice as experimental hosts for analyzing dynamics of cellular and humoral processes in lung, immunologic relationships to host resistance

Technique, Experimental hosts
Long, P. L., 1971, Symposia Brit. Soc. Parasitol., v. 9, 65-75
maintenance of Eimeria and Histomonas in vivo, extensive review: maintenance of Eimeria (purification of species, exper. infections in chickens, factors affecting susceptibility of chickens and chicken embryos to infection; freeze-preservation); maintenance of Histomonas meleagridis (infection with ground-up infected tissues; use of in vitro cultures to obtain in vivo infections; use of embryonated Heterakis gallinarum ova to induce histomoniasis in vivo)

Technique, Experimental hosts
Long, P. L.; et al., 1976, Folia Vet. Latina, v. 6 (3), 201-217
Eimeria spp., avian, procedure, key and laboratory methods for identification, pathology, experimental infection procedures, factors affecting development, instructive review

Technique, Experimental hosts
McCall, J. W., 1976, J. Parasitol., v. 62 (4), 585-588
Litomosoides carinii, simple method for collecting substantial quantities of infective larvae from pelts of Meriones unguiculatus exposed for only a few hours to large number of infected Ornithonyssus bacoti; jirds inoculated with larvae collected in this manner exhibited high mean % recoveries in a narrow range

Technique, Experimental hosts
Mackenzie, C. D.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 292-293 [Demonstration]
S[chistosoma] mansoni, rat as laboratory model to study adherence of eosinophils to schistosomula and role of these cells in schistosome immunity

Technique, Experimental hosts
Malone, J. B.; Leininger, J. R.; and Chapman, W. L., jr., 1976, Exper. Parasitol., v. 40 (1), 62-73
Brugia pahangi, histopathology in Mesocricetus auratus, lymph vessels and nodes, testes, epididymis, and spermatic cord, lungs, liver, potential for model of human filariasis

Technique, Experimental hosts
Malone, J. B.; Leininger, J. R.; and Thompson, P. E., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 170-171 [Letter]
Brugia pahangi in golden hamster (exper.), pathology, possible use as laboratory model for human infections

Technique, Experimental hosts
Mapes, C. J.; and Gallie, G. J., 1977, Parasitology, v. 74 (3), 235-242
Haemonchus contortus, development and growth in stomach of laboratory rabbits (exper.), effect of exsheathment on infectivity, effect of dose size, no adult worms recovered and no eggs found in feces

Technique, Experimental hosts
Marsden, P. D.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 247-251
Trypanosoma cruzi, rhesus monkeys (exper.), xenodiagnosis superior to blood culture or animal inoculation in detecting subpatent infection, serological reactions during early chronic phase and reactions to challenge with different strain, possible application as model for human infections

Technique, Experimental hosts
Meingassner, J. G.; Georgopoulos, A.; and Patoschka, M., 1975, Tropenmed. und Parasitol., v. 26 (4), 395-398
Trichomonas vaginalis, mixed Candida albicans intravaginal infection in rats (exper.) established more reliable infection conditions for testing performance of chemotherapeutic drugs than T. vaginalis in axenic culture, metronidazole, tinidazole, nifuratel tested

Technique, Experimental hosts
Meuwissen, J. H. E. T., 1976, National Cancer Inst. Monograph (43), 133-136
Pneumocystis carinii pneumonia in humans, attempts to apply indirect fluorescent antibody tests and complement fixation to the laboratory diagnosis of infection and to epidemiologic surveillance in outbreaks, preliminary data on experimental use of rat colony for longitudinal studies

Technique, Experimental hosts
Migasena, S.; Gilles, H. M.; and Maegraith, B. G., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 534-547
Ancylostoma caninum, experimental infections in dogs, study of interrelationships between larval infective dose, egg count and worm load; pathologic and hematologic changes

Technique, Experimental hosts
Mitchell, G. H.; et al., 1977, Lancet, London (8026), v. 1, 1335-1338
Plasmodium falciparum, successful vaccination of Aotus trivirgatus griseimembra (exper.) with erythrocytic merozoites, immunity specific for falciparum malaria, technique for isolating merozoites from infected human blood

Technique, Experimental hosts
Morales, G. A.; and Carreno, F., 1976, Trop. Animal Health and Prod., v. 8 (2), 122-124
Trypanosoma evansi, long-term chronic infection induced in Proechimys rats, pathology, possible laboratory model, possible reservoir host in Eastern Plain of Colombia; short-term infection induced in albino rats

Technique, Experimental hosts
Musoke, A. J.; and Cox, H. W., 1977, J. Parasitol., v. 63 (3), 464-470
Plasmodium chabaudi, adaptation to rat host, immune responses in rats and in mice to rat strain, resistance to challenge with homologous and heterologous strains and to Babesia rodhaini, elaboration of soluble serum antigen in mice infected with rat strain

Technique, Experimental hosts
Neal, R. A.; and Harris, W. G., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 429-430 [Demonstration]
Entamoeba histolytica, attempted infections of inbred strain mice and rats, PVG/C rats and C3H/mg mice suitable for study as possible laboratory hosts

Technique, Experimental hosts
Nordin, G. L., 1976, J. Invert. Path., v. 27 (3), 397-398
surface application technique for administering Nosema necatrix spores to third-instar Pseudaletia unipuncta larvae using bioassay containers

Technique, Experimental hosts
Noyola, A.; Myers, B. J.; and Knollenberg, W., 1976, Tr. Am. Micr. Soc., v. 95 (2), 273 [Abstract]
characterized laboratory breeding of Bulinus truncatus rohlfsi for use in experimental studies of Schistosoma haematobium

Technique, Experimental hosts
Obiamiwe, B. A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (3), 371-374
Brugia pahangi, effects of anticoagulant on early migration of microfilariae from blood meals of susceptible and refractory strains of Culex pipiens (exper.)

Technique, Experimental hosts
Olisa, E. G.; et al., 1977, Exper. Parasitol., v. 41 (2), 307-313
Toxoplasma gondii RH strain, differences in survival time of four strains of mice each infected with various doses

Technique, Experimental hosts
Orihel, T. C.; and Lowrie, R. C., jr., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 610-615
Loa loa, entire life cycle maintained in laboratory outside endemic area using Chrysops atlanticus, potential as vectors

Technique, Experimental hosts
Orihel, T. C.; and Moore, P. J., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 606-609
Loa loa, baboon and patas monkey successfully infected, possible use as laboratory hosts

Technique, Experimental hosts
Pare, P. D.; Michoud, M.-C.; and Hogg, J. C., 1976, J. Applied Physiol., v. 41 (5, pt. 1), 668-676
Ascaris suum-sensitive Macaca mulatta, lung mechanics following antigen challenge as an animal model for human asthma

Technique, Experimental hosts
Partono, F.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 155-157
Brugia timori, experimental infections in jirds (Meriones unguiculatus) with recovery of adult worms and in cats with development of patent infections but low level microfilaremia; attempted infection of Macaca fascicularis unsuccessful

Technique, Experimental hosts
Pennoit-De Cooman, E.; De Rycke, P. H.; and Van Outryve, E. J., 1974, Tropenmed. u. Parasitol., v. 25 (3), 338-344
Echinococcus granulosus, mice, experimental secondary echinococcosis, counting apparatus for rapid estimation of number of protoscolices administered, correlation between numbers of protoscolices injected and various quantitative aspects of the resulting load of secondary cysts

Technique, Experimental hosts
Petit, G.; Bain, O.; and Spitalier-Kaveh, H., 1977, Ann. Parasitol., v. 52 (5), 585-586
Dipetalonema dessetae, factors favorable to laboratory transmission in Aedes aegypti and Proechimys guyanensis

Technique, Experimental hosts
Petranyi, G.; Mieth, H.; and Leitner, I., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 328-337
Brugia malayi subperiodic form, statistics of study using Mastomys natalensis (exper.) as laboratory host

Technique, Experimental hosts
Pinero Venegas, F.; and Guevara Pozo, D., 1973, Rev. Iber. Parasitol., v. 33 (1), 3-10
Trichinella spiralis, differences in susceptibility of two strains of laboratory mice measured by survival time of mice and degree of muscular infestation

Technique, Experimental hosts
Porter, J. A., jr., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 535-538
Aotus trivirgatus established as successful laboratory host for the study of human Plasmodium vivax malaria

Technique, Experimental hosts
Pout, D. D.; Norton, C. C.; and Catchpole, J., 1973, Brit. Vet. J., v. 129 (6), 568-582
Eimeria spp., lambs (exper.), patterns of oocyst production in single and mixed infections, results indicate that continuous oocyst production as observed in the field could be achieved through exponential dosing, limitations of laboratory infections

Technique, Experimental hosts
Preston, P. J.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 289-290 [Letter]
Nippostrongylus brasiliensis, isotopic scanning technique whereby life cycle and migration of nematode parasites can be studied within living host

Technique, Experimental hosts
Preston, P. M.; Dumonde, D. C., 1976, Clin. and Exper. Immunol., v. 23 (1), 126-138
Leishmania tropica in CBA mice as experimental model of leishmaniasis in man: relationship of inoculum dose to size and duration of lesions, antibody production, and delayed hypersensitivity responses; infections manifest both during and after healing stages; immunization with sonicated promastigotes; lymphoid cells from immune mice conferred protection upon recipients

Technique, Experimental hosts
Pringle, G., 1974, Ann. Trop. Med. and Parasitol., v. 68 (2), 205-224
Litomosoides carinii in Praomys (Mastomys) natalensis as laboratory host, course of infection, effects of infection and superinfection on host and on cells of pleural exudate, effect of splenectomy

Technique, Experimental hosts
Prosl, H., 1976, Ztschr. Parasitenk., v. 50 (2), 214
survey of parasites of mice, rats, guinea pigs and rhesus monkeys

Technique, Experimental hosts
Pye, D.; and Cox, J. C., 1977, Lab. Animals, v. 11 (4), 233-234
Encephalitozoon cuniculi, isolation from urine of infected rabbits, use of human and canine cell cultures, advantages of urine over tissue as source

Technique, Experimental hosts
Racz, P.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (2), 149-157
Paragonimus africanus, P. uterobilateralis, experimental infections in rhesus monkeys, histopathologic findings compared with that of natural infection in Mandrillus leucophaeus, possible use as models for human infections

Technique, Experimental hosts
Raether, W.; and Seidenath, H., 1976, Tropenmed. u. Parasitol., v. 27 (2), 238-244
trypanocidal effects and action of preparation 98/202 in exper. Trypanosoma rhodesiense infections in Macaca arctoides (possible new animal model for late stages of T. rhodesiense infections in man); animals previously treated with pentamidine or diminazene developed resistance to treatment

Technique, Experimental hosts
Rahko, T., 1971, Norwegian J. Zool., v. 19 (1), 45-46
Fasciola hepatica, procedure for infecting intermediate (Lymnaea truncatula) and definitive (mouse) laboratory hosts, snail culture methods

Technique, Experimental hosts
Ramachandran, C. P.; Sivanandam, S.; and Mullin, S. W., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 92-93 [Demonstration]
Brugia malayi, comparison of various methods and routes of inoculation of sub-periodic parasites into cats (exper.)

Technique, Experimental hosts
Ramakrishnan, K.; and Aziz bin Ahmad, A., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 149 [Demonstration]
W[uchereria] bancrofti, Pelecitus sp., membrane feeding technique for infecting mosquitoes with filarial parasites

Technique, Experimental hosts
Raynaud, J. P., 1976, Pathophysiol. Parasit. Infect., 99-104
Oesophagostomum spp., Hyostrongylus rubidus, Ascaris suum, young swine (exper.), multistage multiparasite model for pathological and anthelmintic studies

Technique, Experimental hosts
Reid, W. A.; and von Lichtenberg, F., 1977, J. Parasitol., v. 63 (2), 392-394
Schistosoma japonicum, miniature pigs (exper.), minimal manifestations of disease rule out this animal as a model host

Technique, Experimental hosts
Roberts-Thomson, I. C.; et al., 1976, Gastroenterology, v. 71 (1), 57-61
Giardia muris in albino mice, satisfactory exper. animal model for study of human Giardia lamblia

Technique, Experimental hosts
Robins, R. A.; et al., 1976, J. Parasitol., v. 62 (1), 171-172
Brugia pahangi-infected and uninfected Meriones unguiculatus, development of markers for determining frequency of Fc- and complement-receptor lymphocyte subpopulations, usefulness for immunological evaluation of jird

Technique, Experimental hosts
Rose, J. H., 1971, Symposia Brit. Soc. Parasitol., v. 9, 109-121
gastrointestinal nematodes and lungworms of farm animals, isolation and maintenance in vivo, extensive review

Technique, Experimental hosts
Rossan, R. N.; and Baerg, D. C., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 1035-1036
Plasmodium falciparum, development in Aloutta villosa trabeata (exper.)

Technique, Experimental hosts
Sakakibara, I., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 524-525
Pneumonyssus simicola, successful transfer of mites from Macaca irus and M. speciosa to Tupaia glis (exper.) (trachea, middle lobe of lung): South Thailand

Technique, Experimental hosts
Saoud, M. F. A.; et al., 1976, J. Helminth., v. 50 (3), 173-174
Schistosoma rodhaini, golden hamsters, pancreatic histopathology, may be useful experimental model for resolving controversial issue of etiological relationship between schistosomiasis and diabetes

Technique, Experimental hosts
Schmidt, L. H., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 446-474
Plasmodium falciparum and Plasmodium vivax in Aotus trivirgatus as model systems for chemotherapeutic studies, handling of animals, course of infections and response to standard antimalarial drugs compared with that in man, use of model in assessing activities of new agents and drug resistance

Technique, Experimental hosts
Schmidt, L. H.; et al., 1977, Antimicrob. Agents and Chemotherapy, v. 12 (1), 51-60
Plasmodium cynomolgi in rhesus monkeys (exper.), comparison of radical curative activities and toxicity of d-primaquine, l-primaquine and primaquine; relevant evaluations show that d-primaquine has therapeutic index at least twice that of primaquine; indications for trials in humans

Technique, Experimental hosts
Schmidt, L. H.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (3), 356-372
Plasmodium cynomolgi B strain, biology and characteristics of untreated infections compared in various Old World primates, possible substitution of one of these hosts as replacement for Macaca mulatta as laboratory host for experimental research

Technique, Experimental hosts
Schmidt, L. H.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 612-622
Plasmodium knowlesi, differences in virulence for Macaca irus strains depending on their Philippine or Malayan origins, possible application to production of merozoite vaccines and evaluation of efficacy

Technique, Experimental hosts
Seah, S. K. K.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 63-69
Trypanosoma cruzi, acute infection in exper. rhesus monkeys, vaccination with killed extract of cultural forms produced circulating antibodies and induced delayed hypersensitivity but monkeys still developed sustained parasitemia, changes in IgM and other hematologic responses

Technique, Experimental hosts
Sehgal, A. K.; et al., 1976, Indian J. Med. Research, v. 64 (7), 1015-1018
albino rats as possible animal model for study of human Giardia lamblia

Technique, Experimental hosts
Seitz, H. M., 1975, Tropenmed. und Parasitol., v. 26 (4), 417-425
Plasmodium berghei, strain K 173 in isogenic mouse strains (exper.), infection course, immunization by intermittent suppression of parasite multiplication by maintaining mice on milk diets of varying lengths, F1-hybrids most resistant and immunization attempts most successful with this strain

Technique, Experimental hosts
Semprevivo, L. H., 1975, J. Protozool., v. 22 (3), 17A [Abstract]
Leishmania donovani, technique for study of amastigote cell cycle in mice

Technique, Experimental hosts
Shungu, D. M.; and Arnold, J. D., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 684-685 [Letter]
Plasmodium vinckei chabaudi adapted to rats (exper.), synchronization of growth and reproduction by photoperiodic rhythm

Technique, Experimental hosts
Siddiqui, M. A.; and Kershaw, W. E., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 19-20 [Demonstration]
Litomosoides carinii, experimental laboratory trials show Delhi white rats to be poor hosts and un-irradiated and irradiated golden hamsters highly susceptible hosts when quantitative infections were established using Liponyssus bacoti in transmission

Technique, Experimental hosts
Sommerville, R. I., 1977, J. Parasitol., v. 63 (5), 952-954
Haemonchus contortus, development to fourth stage in laboratory mice (gastric mucosa)

Technique, Experimental hosts
Stahl, W.; et al., 1976, Exper. Parasitol., v. 39 (1), 135-142
Toxoplasma gondii, disease patterns in methotrexate-treated mice, examination of several time- and dose-dependent drug regimes, immunosuppressive effect when administered early in infection, potential use as experimental model for clinical toxoplasmosis

Technique, Experimental hosts
Stephenson, L. S.; Georgi, J. R.; and Cleveland, D. J., 1977, Cornell Vet., v. 67 (1), 92-102
Ascaris suum, pigs (exper.), worm burden in weanling pigs fed low and high protein diets after infection with known numbers of larvae isolated from rabbits, production of worm burdens of consistent size, potential model for human Ascaris studies

Technique, Experimental hosts
Stevens, D. R.; and Moulton, J. E., 1977, J. Comp. Path., v. 87 (1), 109-118
Trypanosoma equiperdum and T. brucei in Peromyscus maniculatus (exper.), meningoencephalitis, model for human trypanosomal encephalitis

Technique, Experimental hosts
Sturrock, R. F.; Butterworth, A. E.; and Houba, V., 1976, Parasitology, v. 73 (3), 239-252
Schistosoma mansoni in Papio anubis as a model system, course of infection with respect to intensity of initial dose of cercariae and to re-infection with low doses

Technique, Experimental hosts
Sucharit, S., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (4), 492-497
Brugia pahangi, differences in periodic patterns of microfilariae in experimental infections of rats and cats

Technique, Experimental hosts
Sucharit, S.; Riganti, M.; and Harinasuta, C., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (2), 223-225
Brugia pahangi in white rats and gerbils being used in laboratory studies to increase susceptibility to infection, evidence of splenic granulomas and high eosinophilia, possible application to research on human pulmonary eosinophilia

Technique, Experimental hosts
Sullivan, J. J.; and Chernin, E., 1975, J. Parasitol., v. 61 (3), 572-573
Brugia pahangi, proportion and location of developing larvae recovered from male Meriones unguiculatus killed 10 or 11 days after oral or subcutaneous infection, useful for rapid determination of infectivity

Technique, Experimental hosts
Sullivan, J. J.; and Chernin, E., 1976, Internat. J. Parasitol., v. 6 (1), 75-78
Brugia pahangi and Dipetalonema viteae compared, differences in oral vs. subcutaneous infection of anaesthetized vs. unanaesthetized adult vs. neonatal Meriones unguiculatus

Technique, Experimental hosts
Sullivan, J. T., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (1), 134 [Demonstration]
Schistosoma spindale, golden hamster (Mesocricetus auratus) as possible laboratory host, completion of life cycle under laboratory conditions in hamster is possible

Technique, Experimental hosts
Suswillo, R. R.; et al., 1977, J. Helminth., v. 51 (2), 132-134
Meriones unguiculatus, failure to infect with Onchocerca volvulus, Loa loa loa, or Mansonella ozzardi, equivocal results with Wuchereria bancrofti

Technique, Experimental hosts
Sutton, R. J., 1976, Research Vet. Sc., v. 21 (3), 354-355
Taenia ovis, sheep, corticosteroids increasing number of cysticerci, possible method of obtaining sufficient viable cysticerci for research

Technique, Experimental hosts
Suzuki, M.; and Tsunematsu, Y., 1974, Ann. Trop. Med. and Parasitol., v. 68 (1), 33-39
Toxoplasma gondi high, low, and moderate virulence strains, comparison of susceptibility of Meriones unguiculatus vs. mice, illness and death rates, proliferation of parasites in various organs as revealed by fluorescent antibody technique, development of dye test antibodies, M. unguiculatus as good model host

Technique, Experimental hosts
Taffs, L. F., 1975, J. Helminth., v. 49 (3), 173-177
continuous feed medication with thiabendazole for removal of Hymenolepis nana, Syphacia obvelata, and Aspiculuris tetraptera in naturally infected laboratory mice, unexplained deaths among inbred strain C3H/Hef Nimr mice

Technique, Experimental hosts
Thompson, R. C. A., 1976, Internat. J. Parasitol., v. 6 (6), 505-511
Echinococcus granulosus of British horse origin, Meriones unguiculatus as successful laboratory host for cystic stage, several other laboratory animals proved refractory to infection

Technique, Experimental hosts
Tikasingh, E. S., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (3), 261-262 [Letter]
human leishmaniasis, guinea pigs to be used as sentinel animals for study of Leishmania should first be immunized against locally occurring arboviruses to which they are normally very sensitive

Technique, Experimental hosts
Tripathi, K. P.; and Ray, D. K., 1976, Indian Vet. J., v. 53 (5), 329-330
Cysticercus fasciolaris, Mesocricetus auratus, pathology, potential laboratory models

Technique, Experimental hosts
Verster, A., 1971, Onderstepoort J. Vet. Research, v. 38 (1), 63-64
Taenia solium in Mesocricetus auratus (exper.), worms developed to maturity after suppression of host immune system with methyl prednisolone acetate, addition of chopped beef to diet had little effect on host susceptibility; similarly treated hamsters were less susceptible to T. saginata

Technique, Experimental hosts
Voelker, J.; and Sachs, R., 1977, Tropenmed. u. Parasitol., v. 28 (2), 137-144
natural infections of Mandrillus leucophaeus and Perodicticus potto suggest accidental involvement in life cycle of Paragonimus africanus, experimental infections show Macaca mulatta to be highly susceptible to P. africanus and somewhat resistant to P. uterobilateralis

Technique, Experimental hosts
Vollerthun, R.; et al., 1976, Zentralbl. Vet.-Med., Beihefte (25), 161-163
Capillaria hepatica, pathophysiology, immunology, Mastomys natalensis, rabbits; animal models for human infection studies

Technique, Experimental hosts
Walzer, P. D.; et al., 1977, Science (4229), v. 197, 177-179
Pneumocystis carinii in congenitally athymic (nude) mice as a new experimental model, experimental infection with both human- and rat-derived parasites produced both by intrapulmonary injection of lung homogenate containing parasites and by environmental transmission

Technique, Experimental hosts
Webbe, G.; and James, C., 1971, Symposia Brit. Soc. Parasitol., v. 9, 77-107
importation and maintenance of schistosomes of human and veterinary importance, extensive review: species of schistosomes and snail intermediate hosts being maintained; methods of importation; laboratory maintenance of snails; cycling of schistosomes

Technique, Experimental hosts
Webbe, G.; James, C.; and Nelson, G. S., 1974, Ann. Trop. Med. and Parasitol., v. 68 (2), 187-203
Schistosoma haematobium in Papio anubis as a laboratory model, 3 parasite strains compared, parasitological, clinical and pathological features, histological changes in male and female genital organs particularly striking

Technique, Experimental hosts
Wedderburn, N.; Turk, J. L.; and Hutt, M. S. R., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 468-470
chronic malarial infections, mice, histologic changes in spleen and liver, depression of IgG plaque-forming cell response, chronically infected mice as laboratory model for tropical splenomegaly

Technique, Experimental hosts
Weise, M.; and Voller, A., 1975, Tropenmed. und Parasitol., v. 26 (4), 390-394
Plasmodium brasilianum, proteinuria and other pathologic changes in urinary tract of Aotus trivirgatus (exper.), possible use of Aotus-P. brasilianum system to study renal immunopathology of human malaria

Technique, Experimental hosts
Wells, R. A.; et al., 1977, Exper. Parasitol., v. 41 (2), 472-479
Plasmodium yoelii, inbred model for protective immunization against malaria in BALB/c mice, irradiated blood forms of two lines of 17X strain used as immunogen, "most complete protection of mice against a lethal challenge with malaria parasite in the absence of previous active infection that has, to our knowledge, been thus far reported."

Technique, Experimental hosts
Williams, J. F.; and Oriol, R., 1976, J. Parasitol., v. 62 (4), 563-568
Echinococcus granulosus, comparative susceptibility of Meriones unguiculatus (most) vs. albino mice (less) vs. golden hamsters (refractory) to infection with protoscolices, indirect haemagglutination titres in M. unguiculatus, failure of M. unguiculatus to develop immediate hypersensitivity responses represents marked deviation from pattern of immune response in echinococcosis in man and domestic animals and must be considered in use of jirds as model host

Technique, Experimental hosts
Wolf, R. E., 1976, J. Parasitol., v. 62 (2), 209-214
Leishmania tropica yotvata, Macaca mulatta as possible simian model of human disease, primary, secondary, and tertiary infection, clinical resistance, cellular- and humoral-immune responses, effects of antilymphocyte globulin therapy, results quantitatively and qualitatively different from those in humans

Technique, Experimental hosts
Wong, M. M., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (4), 480-486
Dirofilaria immitis, dirofilariasis without microfilaremia produced in dogs (exper.), immunologic responses analogized to etiology of tropical eosinophilic lung in humans

Technique, Experimental hosts
Wong, M. M., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 88-93
Dirofilaria repens, healthy and immunosuppressed macaques (exper.), larvae and adult worms recovered in 10 of 13 but microfilaremia seen only in prednisolone-treated animals, host responses (eosinophilia and filarial antibodies)

Technique, Experimental hosts
Wong, M. M.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 265-273
Brugia malayi, summary of longitudinal studies of 28 rhesus monkeys experimentally infected with single, double or multiple inoculations of larvae: clinical aspects, antibody responses, pathology, treatment with diethylcarbamazine, host biochemical changes, microfilaremia

Technique, Experimental hosts
Wong, M. M.; and Lim, K. C., 1975, J. Parasitol., v. 61 (3), 573-574
Dirofilaria immitis, development of intraperitoneally inoculated larvae in Meriones unguiculatus

Technique, Experimental hosts
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successful experimental infection of Galago crassicaudatus panganiensis with Brugia malayi and B. pahangi, diurnal microfilarial periodicity of B. malayi, advantages for use as laboratory host compared to other known exper. primate hosts

Technique, Experimental hosts
Wong, M. M.; and Lim, K. C., 1976, Am. J. Trop. Med. and Hyg., v. 25 (1), 94-98
Dirofilaria tenuis, healthy and immunosuppressed macaques (exper.), larvae and adult worms recovered from 7 of 11 but microfilaremia seen only in a prednisolone-treated animal, host responses (eosinophilia and filarial antibodies)

Technique, Experimental hosts
van Wyk, J. A., 1975, Onderstepoort J. Vet. Research, v. 42 (2), 75-76
apparatus for restraint of sheep during experimental infestation with Schistosoma mattheei

Technique, Experimental hosts
van Wyk, J. A.; Heitmann, L. P.; and van Rensburg, L. J., 1975, Onderstepoort J. Vet. Research, v. 42 (2), 71-74
Schistosoma mattheei, sheep (exper.), comparison of routes of infection, percutaneous (leg, abdomen, or thorax, washed or unwashed) superior to subcutaneous, highest mean rate of infestation via washed leg

Technique, Experimental hosts
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Plasmodium berghei yoelii in mice (exper.), promising model for study of cerebral malaria in man caused by P. falciparum (history, origin of virulent strain, pathology, enzyme differentiation, virulence expressed by mutation and genetic change)

Technique, Experimental hosts
Youssef, G.; El-Nimr, A.; and Henning, J., 1976, Egypt. J. Bilharz., v. 3 (1), 57-64
influence of diet on reproduction and infectivity in mass cultivation of Bulinus truncatus snail vectors [of human schistosomiasis]

Technique, Experimental hosts
Zielke, E., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 546-547
Onchocerca volvulus, attempted development of larvae in mosquito hosts for purposes of laboratory study; Aedes aegytpi selected Liverpool strain supported development with third-stage larvae found in the mosquito abdomen and, in one instance, in the head

Technique, Fecal examination
Bailenger, J.; et al., 1977, Pharmacien Biol. (109), v. 11, 267-277
human intestinal parasites, fecal examination using floation or diphasic concentration, principles involved in both diagnostic procedures, changes in results when mercury or sodium merthiolate is added during procedure, special application of Janeckso and Urbanyi reaction

Technique, Fecal examination
Baldini, I.; Pala, V.; and Ferro, M., 1974, Pathologica (959-960), v. 66, 339-349
Ascaris lumbricoides in humans, complement fixation, passive agglutination and latex agglutination compared with direct fecal examination as means of diagnosis

Technique, Fecal examination
Cabrera, B. D., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 495-504
Schistosoma japonicum, evaluation of blood circumoval precipitin test (filter paper) for diagnostic field surveys, comparison with use of stool formalin-ether technique: Leyte, Philippines

Technique, Fecal examination
Calamel, M.; and Giauffret, A., 1976, Rec. Med. Vet., v. 152 (2), 99-104
Dicrocoelium lanceolatum, 55 ewes, detailed examination of livers and rectal contents, comparison of individual and total results of fecal examination, correlation with numbers of parasites, statistical analysis, evaluation of quantitative data from fecal examinations for group diagnosis; degrees of infestation defined

Technique, Fecal examination
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helminths, diagnostic staining method for eggs and larvae in fresh feces or those fixed by formalin

Technique, Fecal examination
Cerva, L., 1976, Immun. u. Infekt., v. 4 (6), 279-282
intestinal helminths, diagnostic method for staining of eggs and larvae in smears of fresh and fixed stool samples

Technique, Fecal examination
Damian, R. T., 1976, J. Parasitol., v. 62 (1), 168-169
Nematospiroides dubius, separation and cleaning of infective larvae and eggs from gross fecal contaminants, centrifugation on Ficoll-Isopaque cushion

Technique, Fecal examination
Dancescu, P.; et al., 1970, Maroc Med. (534), v. 50, 247-248
human infection, fecal examination, cyst differentiation using lugol solution, etiology of "blue cysts"

Technique, Fecal examination
Desser, S. S.; and Yang, Y. J., 1976, Canad. Med. Ass. J., v. 114 (4), 290-291
Dientamoeba fragilis infection in child resulting in severe intestinal symptoms, diagnosis only after multiple fecal examinations, diphetarsone treatment; possible role of Enterobius vermicularis as vector of Dientamoeba fragilis in human infections

Technique, Fecal examination
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techniques for diagnosing parasites of animals

Technique, Fecal examination
Garrocho-Sandoval, C.; and Torres-Ruvalcaba, A., 1977, Am. J. Clin. Path., v. 67 (6), 603-605
human intestinal parasites, comparison study of two different methods for collecting fecal samples for diagnostic purposes

Technique, Fecal examination
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human intestinal parasites, comparison of standard methods of egg count in fecal specimens with that of the new and improved Telemann method

Technique, Fecal examination
Georgi, J. R.; Georgi, M. E.; and Cleveland, D. J., 1977, Parasitology, v. 75 (2), 251-257
Filaroides hirthi, dogs (nat. and exper.), diagnosis, zinc sulphate flotation more efficient than Baermann technique in concentrating larvae from feces, larvae recovered from feces proved infective and it was concluded that infection can be transmitted directly and immediately by fresh fecal contamination, mongrel dogs as well as beagles can be infected, finding of larvae in mesenteric lymph nodes long after single exposure to exogenous infection supports hypothesis of autogenous re-infection of host by proportion of larvae migrating from lungs to anus

Technique, Fecal examination
Giboda, M.; and Jurasek, V., 1975, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 24 (5), 310-312
presence of mite eggs in human fecal samples, possible diagnostic confusion with helminth eggs: East Slovak Region

Technique, Fecal examination
Henriksen, Sv. Aa.; and Aagaard, K., 1976, Nord. Vet.-Med., v. 28 (7-8), 392-397
Ostertagia ostertagi, flotation technique and McMaster method, fecal examination

Technique, Fecal examination
Hoerchner, F.; Grelck, H.; and Flasshoff, F. G., 1976, Berl. u. Munchen. Tierarztl. Wchnschr., v. 89 (15), 296-300
Fasciola hepatica, cattle, diagnosis, comparison of one-time fecal examination and various serological tests, confirmation by post-mortem liver and bile examination; indirect immunofluorescence test better than agar gel precipitation, latex agglutination or fecal examination; duration of egg-shedding after treatment with Dirian

Technique, Fecal examination
Hubert, J., 1977, Rec. Med. Vet., v. 153 (12), 923-929
Ascaris suum (exper.), Trichuris suis (exper.), Oesophagostomum spp., pigs, comparison of coproscopical method of count after dilution in dense solution and flotation in Mac Master Slides and count after sedimentation and flotation in dense solution in Mac Master Slides; various densities of solutions compared with both techniques

Technique, Fecal examination
Janitschke, K.; and Sylvester, B., 1972, Oeffentl. Gsndhtsw., v. 34 (4), 163-167
Toxoplasma gondii, attempted isolation of fecal forms of parasites from human stools

Technique, Fecal examination
Jokipii, A. M. M.; and Jokipii, L., 1977, Lancet, London (8021), v. 1, 1095-1097
Giardia lamblia in persons returning from endemic areas, prepatency period for infection documented at up to 3 weeks post exposure, need for repeated fecal examinations over that period for accurate diagnosis

Technique, Fecal examination
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comparison of Kato thick smear and Tween 80 citric acid ether sedimentation methods for diagnosis of helminth ova

Technique, Fecal examination
Kannangara, D. W. W., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 406-409
human intestinal parasites, comparison of post-mortem analysis of helminth infections with results obtained by fecal examination using direct smear of fecal egg count: Colombo, Sri Lanka

Technique, Fecal examination
Kean, B. H.; and Husseini, A., 1973, N. York State J. Med., v. 73 (10), 1189-1190
human intestinal parasitic survey comparing direct microscopic, Ritchie sedimentation and Kato-Miura techniques for identification: New York City

Technique, Fecal examination
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helminth eggs, comparison of flotation methods using solutions of varying gravity, and single solution vs. mixture of solutions

Technique, Fecal examination
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extensive review of techniques used to diagnose human parasitic diseases

Technique, Fecal examination
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Schistosoma mansoni, modification of formol-ether concentration technique for increased sensitivity in detecting schistosome eggs

Technique, Fecal examination
Mantell, C. A.; and Yoeli, M., 1975, N. York State J. Med., v. 75 (1), 39-41
intestinal parasitologic investigation of patients under office or hospital care for gastrointestinal disorders, importance of microscopic stool examination because of continued travel to tropical areas and the fact that autochthonous endemic areas can exist in hygiene conscious temperate zones: New York

Technique, Fecal examination
Markell, E. K.; and Quinn, P. M., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1139-1142
comparison of immediate polyvinyl alcohol fixation with delayed Schaudinn's fixation for demonstrating protozoa in feces, concluded that immediate fixation results in preservation of larger number of organisms and recommends routine use prior to transportation to laboratory

Technique, Fecal examination
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Fasciola hepatica, Paramphistomum sp., coproscopic diagnosis, eggs in feces, improved modification of decantation technique, evaluation

Technique, Fecal examination
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Isospora belli, human (stool), Janeckso-Urbanyi flotation technique found most suitable for fecal examination, first record: Yugoslavia

Technique, Fecal examination
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ancylostomiasis, strongyloidiasis, improved coproculture technique for diagnosis

Technique, Fecal examination
Nebel, W., 1976, Tierarztl. Umschau, v. 31 (8), 359-360
horse parasites, diagnosis, fecal examination, modified techniques of Fuelleborn (flotation) and Benedek (sedimentation): Ostholstein

Technique, Fecal examination
Nitzulescu, V.; and Corijescu, V., 1970, Pediatria, Bucuresti, v. 19 (3), 283-285
Charcot-Leyden crystals in fecal samples as adjunct in diagnosis of human intestinal parasitic diseases

Technique, Fecal examination
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lambs, experimental infection with various combinations and doses of gastrointestinal helminths, lowered body weight and changes in host measurements, equivalent losses in slaughter value; poor coordination between number of larvae in experimental dose and number of eggs in feces in standard techniques of fecal examination

Technique, Fecal examination
Owen, J. M., 1977, Equine Vet. J., v. 9 (1), 29-31
Fasciola hepatica, horses, clinical signs; method for diagnosing fluke ova in large amounts of feces; oxyclozanide, good results: Gloucester

Technique, Fecal examination
Palumbo, N. E.; Taylor, D.; and Perri, S. F., 1976, Lab. Animal Sc., v. 26 (3), 490-493
Platynosomum concinnum, cats, fecal technics for diagnosis, formalin-ether technic superior to direct smear, sugar flotation, zinc sulfate flotation, or detergent sedimentation technics

Technique, Fecal examination
Parelkar, S. N.; and Stamm, W. P., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (5), 659-662
Entamoeba histolytica, trophozoites from cultures or in fresh or preserved feces, specific staining by indirect immunofluorescent technique, objective method of identification, scanning of fecal smears quicker and more accurate

Technique, Fecal examination
Pitchford, R. J.; and Visser, P. S., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 16 [Demonstration]
quantitative technique for the estimation of helminth eggs in urine and faeces

Technique, Fecal examination
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prevalence of intestinal helminths in adult population of 3 native villages, usefulness of Kato "thick smear" technique for mass epidemiologic surveys (Hymenolepis nana; Trichuris trichiura; Ascaris lumbricoides; Enterobius vermicularis; Schistosoma mansoni): all from Bamako area, Mali

Technique, Fecal examination
Ryley, J. F.; et al., 1976, Parasitology, v. 73 (3), 311-326
Eimeria tenella, separation of oocysts from feces, development of efficient procedure applicable on a large scale

Technique, Fecal examination
Sagua, H.; et al., 1973, Bol. Chileno Parasitol., v. 28 (3-4), 58-60
comparison of phenol-alcohol-formalin sedimentation and polyvinyl alcohol fixative tests in diagnosis of human intestinal helminths and protozoa

Technique, Fecal examination
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survey of techniques of fecal examination for diagnosis of parasites of domestic animals, recommendations for appropriateness of techniques to various cases, review

Technique, Fecal examination
Schantz, P. M., 1973, Bol. Chileno Parasitol., v. 28 (3-4), 81-90
guide to use of arecoline hydrobromide to diagnose Echinococcus granulosus and other tapeworms in dogs and as prophylactic measure to reduce pasture contamination and reinfections of animals

Technique, Fecal examination
Schenone, H.; et al., 1970, Bol. Chileno Parasitol., v. 25 (3-4), 113-117
Enterobius vermicularis, human, comparison of anal swabs and direct fecal examination in diagnosis, value of serial examinations

Technique, Fecal examination
Schenone, H.; et al., 1973, Bol. Chileno Parasitol., v. 28 (1-2), 15-18
parasitological survey in boarding school, significance of repeated stool examinations: Chile

Technique, Fecal examination
Schuetze, H. R., 1974, Prakt. Tierarzt, v. 55 (8), 429-432
helminths of pet birds, diagnosis of eggs in fecal examination

Technique, Fecal examination
Sehgal, S. C.; Vinayak, V. K.; and Gupta, U., 1977, Indian J. Med. Research, v. 65 (4), 509-512
human helmintic ova in feces, diagnosis using the Kato thick smear technique more successful than commonly used techniques, recommended for epidemiologic surveys: Chandigarh, India

Technique, Fecal examination
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method for concentrating nematode larvae from fecal material, procedure for processing for transmission electron microscopy

Technique, Fecal examination
Strombeck, D. R., 1977, Calif. Vet., v. 31 (8), 7-11
examination of dog and cat feces for parasites, diagnostic tool for gastrointestinal disorders

Technique, Fecal examination
Subiabre, V., 1969, Bol. Chileno Parasitol., v. 24 (3-4), 166-167
Dientamoeba fragilis, demonstration in human feces using polyvinilic alcohol or Teleman's concentration method: Chile

Technique, Fecal examination
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Schistosoma mansoni in humans, fecal examination technique using thick glass cover-slips, useful in diagnostic epidemiologic surveys, compares favorably with standard Kato and Miura method

Technique, Fecal examination
Timon-David, P.; and Andrac, A., 1975, Microbia, v. 1 (4), Suppl., 1-8
amebas in fecal matter, techniques of fecal examination, characters for identification, review

Technique, Fecal examination
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modified Telemann's and phenol-alcohol-formalin methods compared for diagnosis of common intestinal protozoa of man

Technique, Fecal examination
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human helminthic and protozoan parasites, comparison of nigrosin-methylene blue diagnostic test with formol-ether method and direct examination

Technique, Fecal examination
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celestine blue B stain given as alternative to hematoxylin in routine staining of fecal smears for Protozoa, comparative laboratory trials

Technique, Fecal examination
Yang, J.; and Scholten, T., 1977, Am. J. Clin. Path., v. 67 (3), 300-304
diagnosis of human intestinal parasites, fecal examination technique using Junod's fixative for concentration and permanent staining procedures, comparison with results using formalin-ether procedure

Technique, Fecal examination
Zuberi, S. J.; and Panjvani, Z., 1973, Pakistan J. Med. Research, v. 12 (3), 10-14
human amoebiasis, differential diagnosis of causes of diarrhea with and without fecal blood, comparison study of direct stool examination, sigmoidoscopy and rectal biopsy

Technique, Gel diffusion. See Immunity, Precipitation.

Technique, Gel filtration. See Gel filtration.

Technique, Immunodiffusion. See Immunity, Precipitation.

Technique, Immunoelectrophoresis. See Immunity, Precipitation.

Technique, Immunofluorescence. See Immunofluorescence.

Technique, Immunological. See Immunity and its subdivisions.

Technique, Implantation. See Transplantation.

Technique, Isoelectric focusing. See Electrophoresis.

Technique, Laboratory hosts. See Technique, Experimental hosts.

Technique, Laboratory rearing of arthropods. See Technique, Rearing, Arthropoda.

Technique, Manuals and textbooks
Great Britain. Ministry of Agriculture, Fisheries and Food. Agricultural Development and Advisory Service, 1977, Tech. Bull. (18), Min. Agric., Fish. and Food, 1-129
laboratory techniques for identification and study of animal parasites

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description of apparatus for microscopic observation of protozoan cultures

Technique, Microscopic
Hajduk, S. L., 1976, Science (4229), v. 191, 858-859
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Technique, Microscopic
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Pricea multae, morphological differentiation of unfixed, unstained vitelline cells into 6 classes using phase microscopy, proposed vitellocyte nomenclature may not represent stages of development

Technique, Microscopic
Ruehl, H., 1976, Ztschr. Parasitenk., v. 48 (3-4), 199-214
Gregarina spp., cytochalasin B (phomin) inhibiting movement, changing cell fine structure and disorganizing fibrillar bundles or myonemes; fine structure of myonemes, skeleton-fibrils and pellicle; elements and mode of movement

Technique, Microscopic
Timonov, E. V., 1970, Parazitologiia, Leningrad, v. 4 (3), 237-240
Trichinella, morphogenesis, luminescent microscopy with acridine orange and rhodamine C

Technique, Mollusca. See Vectors, Mollusca.

Technique, Nematoda
Brinkmann, U. K., 1974, Tropenmed. u. Parasitol., v. 25 (2), 160-166
onchocerciasis, human, method for assessing microfilarial densities in skin snips under field conditions

Technique, Nematoda
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automatic nematode counter

Technique, Nematoda
Hansen, E. L.; and Hansen, J. W., 1976, IRCS J. Med. Sc., v. 4 (11), 508
Romanomermis culicivorax, experimental parasitism of Simulium damnosum vectors of Onchocerca volvulus, possible use as biological control agent and as laboratory model for developing similar techniques with other mermithids

Technique, Nematoda
Jorgensen, R. J., 1973, Acta Vet. Scand., v. 14 (2), 341-343
Dictyocaulus viviparus, 3rd stage larvae, activation by bile, in vitro, technique for evaluating viability of larval suspensions

Technique, Nematoda
Kunz, P.; and Klingler, J., 1976, Nematologica, v. 22 (4), 477-479
nematode tracks, method for direct or microscopic observation and photography

Technique, Nematoda
Petersen, J. J., 1973, J. Med. Entom., v. 10 (1), 75-79
Reesimermis nielseni, mass production using Culex pipiens quinquefasciatus, effects of host density, parasite-host ratio, and amount of food fed to host on percentage of parasitism and female nemas produced

Technique, Nematoda
Sullivan, J. J.; and Chernin, E., 1975, J. Parasitol., v. 61 (3), 572-573
Brugia pahangi, proportion and location of developing larvae recovered from male Meriones unguiculatus killed 10 or 11 days after oral or subcutaneous infection, useful for rapid determination of infectivity

Technique, Nematoda
Townson, H., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 12-13 [Demonstration]
Brugia pahangi, refined technique for inoculating mosquitoes with microfilariae

Technique, Parasite collection and recovery
Abaru, D. E.; and Denham, D. A., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (3), 367-369
Brugia pahangi, Dirofilaria immitis, no significant differences could be detected between nuclepore and millipore filter systems for collecting microfilariae, controlled laboratory trials

Technique, Parasite collection and recovery
Ah, H.-S.; and Burke, T. M., 1976, J. Parasitol., v. 62 (4), 651-652
Litomosoides carinii, recovery of substantial numbers of developing 4th stage larvae from pleural cavity of infected jirds 10 and 30 days after exposure to infected Ornithonyssus bacoti, subsequent use of these larvae in establishing quantitatively controlled infections in other jirds

Technique, Parasite collection and recovery
Alam, M. M.; Khan, A. M.; and Saxena, S. K., 1976, Proc. Helminth. Soc. Washington, v. 43 (2), 230
new device for rapid picking-up of Heterodera cysts

Technique, Parasite collection and recovery
Artz, V., 1975, Entom. Germanica, v. 1 (2), 105-143
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates: Schleswig-Holstein

Technique, Parasite collection and recovery
Bishop, J. P.; et al., 1973, Trop. Animal Health and Prod., v. 5 (3), 141-145
Babesia bigemina, isolation, separation and preservation by serially passing through splenectomized calves, stabilate established

Technique, Parasite collection and recovery
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technique for recovery of Toxocara spp. ova from soil in order to assess environmental contamination

Technique, Parasite collection and recovery
Bosworth, A. B.; Schneider, I.; and Freier, J. E., 1975, J. Parasitol., v. 61 (4), 769-772
Plasmodium berghei, mass isolation of Anopheles stephensi salivary glands infected with malarial sporozoites

Technique, Parasite collection and recovery
Brown, A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 284 [Demonstration]
Plasmodium yoelii, technique for isolation of microgametes of malaria parasites, potential use in genetic studies

Technique, Parasite collection and recovery
Bwangamoi, O., 1973, Bull. Epizoot. Dis. Africa, v. 21 (4), 363-370
helminths, recovery from dogs using Lindsey's method: Uganda

Technique, Parasite collection and recovery
Campbell, G.; et al., 1975, Tr. Am. Micr. Soc., v. 94 (3), 434-435 [Abstract]
modified live-box technique for evaluating helminth population dynamics of Lepomis macrochirus, technique permitted estimation of change in rate of recruitment in time, differential selection of infection sites, and reasonably accurate correlation of food intake and parasite recruitment

Technique, Parasite collection and recovery
Casto, S. D., 1973, J. Med. Entom., v. 10 (5), 524
Syringophiloidus minor, collection method from living birds, Passer domesticus (quills): Lubbock County, Texas

Technique, Parasite collection and recovery
Cheah, W. C.; and Kyser, K. A., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (2), 179-183
Trichomonas vaginalis, technique for isolation of bacteria-free strains directly from vaginal aspirates using sucrose gradients and screw-capped culture tubes

Technique, Parasite collection and recovery
Childs, G. E.; McRoberts, M. J.; and Foster, K. A., 1976, J. Parasitol., v. 62 (5), 676-679
Leishmania spp. amastigotes, recovery from cutaneous lesions of host animals by a method adapted from primary tissue culture techniques, pathogenic characteristics retained, comparatively free of host cells

Technique, Parasite collection and recovery
Chlebowsky, H. O.; and Zielke, E., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 181-182 [Letter]
Wuchereria bancrofti, Onchocerca volvulus in humans, diagnosis of microfilaruria using a modified membrane filter technique; application also to filtration of eggs from urine of persons suspected to have schistosomal infections: Liberia, West Africa

Technique, Parasite collection and recovery
D'Alessandro, A.; and del Prado, C. E., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 623-627
attempted determination of prevalence of Trypanosoma rangeli in endemic areas of T. cruzi; indications that routine examination of pooled triatome vector hemolymphs and random samples of salivary glands and midguts should be carried out along with standard examination of bug feces as an accurate method for Trypanosoma spp. differentiation: Argentina and Brazil

Technique, Parasite collection and recovery
Damian, R. T., 1976, J. Parasitol., v. 62 (1), 168-169
Nematospiroides dubius, separation and cleaning of infective larvae and eggs from gross fecal contaminants, centrifugation on Ficoll-Isopaque cushion

Technique, Parasite collection and recovery
Decker, J. L.; Hart, L. T.; and Larson, A. D., 1976, Abst. Ann. Meet. Am. Soc. Microbiol., 135
Anaplasma marginale, technique for separating from infected bovine red blood cells

Technique, Parasite collection and recovery
Donev, A., 1975, Vet. Med. Nauki, v. 12 (10), 65-69
Toxoplasma, isolation of strains, digestion of diaphragm musculature, sheep, cattle, pigs

Technique, Parasite collection and recovery
Edrissian, G. H.; and Afshar, A., 1973, Pahlavi Med. J., v. 4 (4), 533-544
human malarias, detection of asymptomatic and scanty parasitemia using combined indirect fluorescent antibody technique and parasite concentration from thick and thin blood films, use in mass surveys: Iran

Technique, Parasite collection and recovery
Eling, W. M. C., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (3), 267-268
Plasmodium berghei-infected mice (exper.), centrifugation technique for separation of parasitized erythrocytes from infected mouse blood

Technique, Parasite collection and recovery
Figueroa M., H.; Collins, R. C.; and Kozek, W. J., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 75-79
technique for post-feeding transportation and maintenance of Simulium ochraceum infected with Onchocerca volvulus from area of infection in Guatemala to research laboratories in California

Technique, Parasite collection and recovery
Fortess, E.; and Meyer, E. A., 1976, J. Parasitol., v. 62 (5), 689
Giardia trophozoites, isolation from guinea pig, axenization, long-term culture, low temperature preservation

Technique, Parasite collection and recovery
Gaborak, M.; Gutteridge, W. E.; and Cover, B., 1973, J. Protozool., v. 20 (4), 525-526
Trypanosoma cruzi, technique for isolating blood stages from infected rats

Technique, Parasite collection and recovery
Gilot, B.; Pautou, G.; and Moncada, E., 1975, Acta Trop., v. 32 (4), 340-347
Ixodes ricinus, use of vegetation maps to determine appropriate biotopes for collecting tick populations: sud-est de la France

Technique, Parasite collection and recovery
Goodenough, J. L.; and Snow, J. W., 1977, J. Econom. Entom., v. 70 (1), 70-71
Cochliomyia hominivorax, C. macellaria, increased captures in electrocuter grid traps, population monitoring and detecting

Technique, Parasite collection and recovery
Gravely, S. M.; and Kreier, J. P., 1974, Tropenmed. u. Parasitol., v. 25 (2), 198-206
Babesia microti, removal from infected hamster erythrocytes by continuous-flow ultrasonication, freed parasites collected by differential centrifugation, effectiveness of this system of lysis evaluated by electron microscopy and parasites evaluated serologically by complement-fixation testing, cross-reactions with sera from Plasmodium berghei-infected hamsters may be due to erythrocyte contamination

Technique, Parasite collection and recovery
Griffin, J. L., 1973, J. Protozool., v. 20 (4), 497-498
Naegleria fowleri, environmental sampling, differential culture and preliminary identification

Technique, Parasite collection and recovery
Guevara Pozo, D.; and Pinero Venegas, F., 1972, Rev. Iber. Parasitol., v. 32 (3-4), 167-180
Trichinella spiralis, experimental infection of white mice with standard dose, comparison of three methods of measuring infection (direct count, artificial digestion, homogenization), statistical analysis, artificial digestion least accurate technique

Technique, Parasite collection and recovery
Gutteridge, W. E.; and Cover, B., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 254 [Abstract]
Trypanosoma cruzi, technique for isolation of intracellular stages from infected rats

Technique, Parasite collection and recovery
Gutteridge, W. E.; Gaborak, M.; and Cover, B., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 266 [Abstract]
Trypanosoma cruzi, technique for isolation of intracellular stages from infected rats

Technique, Parasite collection and recovery
Hendley, J. O.; and Weller, T. H., 1971, Proc. Soc. Exper. Biol. and Med., v. 137 (4), 1401-1404
Pneumocystis carinii, cortisone-treated rats (exper.) as ready source of organisms for laboratory study, system of cortisonizing rats by oral route devised, intensity of infection related to length of treatment time

Technique, Parasite collection and recovery
Howells, R. E.; and Chiari, C. A., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (5), 723-724 [Letter]
Trypanosoma cruzi, isolation, peritoneal washings from infected mice as source of parasites with subsequent separation of trypanosomes from white cells by means of cellulose column

Technique, Parasite collection and recovery
Hsu, S. Y. L.; and Hsu, H. F., 1975, J. Parasitol., v. 61 (6), 1108-1109
Schistosoma japonicum, rhesus monkeys immunized with cercariae exposed to high doses of X-irradiation, technique for quantitating recovery rates of schistosomula in skin

Technique, Parasite collection and recovery
Ito, A., 1977, J. Parasitol., v. 63 (1), 167-168
Hymenolepis nana, simple method for collecting infective cysticercoids from mouse intestine, results suggest mouse to mouse indirect cycle

Technique, Parasite collection and recovery
Jackson, G., 1977, Brit. Vet. J., v. 133 (3), 318-319
Trichinella spiralis larvae, recommendation that pig muscle samples for diagnosis by peptic digestion should not be frozen

Technique, Parasite collection and recovery
Jackson, J. O.; and DeFoliart, G. R., 1975, J. Med. Entom., v. 12 (4), 409-412
Dermacentor variabilis, larvae and nymphs, relationships with nesting Peromyscus, population peaks in April and June, relationships with mouse populations, no differences between north- and south-facing hill slope locations; handsorting of nest material superior to Berlese funnel technique for collecting engorged ticks

Technique, Parasite collection and recovery
Jackson, P. R., 1975, J. Parasitol., v. 61 (5), 963-965
forced-flow DEAE-cellulose column for isolation of bloodstream trypanosomes

Technique, Parasite collection and recovery
Jakovljevic, D. D., 1975, Acta Vet. Beograd, v. 25 (6), 315-325
Ascaris suum, method for obtaining embryonated eggs capable of infection; number of developed worms in intestines inversely related to number of administered eggs and age of suckling pigs; pathomorphological changes in liver and lungs; earthworms (Allolobophora caliginosa, Octolasium transpadanum, Lumbricus rubellus, Allolobophora leoni) have only a passive role as 'carriers' of embryonated eggs in transfer of infection to swine; incidence and economic importance: Yugoslavia

Technique, Parasite collection and recovery
Jatkar, P. R.; and Purohit, S. K., 1977, Indian Vet. J., v. 54 (5), 411
Trypanosoma evansi, separation from blood of infected rats and mice for preparing antigen

Technique, Parasite collection and recovery
Jørgensen, R. J., 1975, Vet. Parasitol., v. 1 (1), 61-67
isolation of infective Dictyocaulus larvae from herbage, 3 steps: 1. isolation of debris from herbage 2. isolation of larvae from debris (migration in agar gel containing bile) 3. staining to differentiate from free-living nematodes

Technique, Parasite collection and recovery
Jones, T. C.; Mott, K.; and Pedrosa, L. C., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 243-246
technique for isolating and concentrating microfilariae from peripheral blood using gradient centrifugation

Technique, Parasite collection and recovery
Kamel, I. A.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (4), 696-701
Schistosoma mansoni, S. haematobium, techniques for recovery of worms and eggs from infected cadavers and evaluation of techniques for completeness of recovery

Technique, Parasite collection and recovery
Kelly, J. D., 1973, Austral. Vet. J., v. 49 (1), 23-27
Dirofilaria immitis, Dipetalonema sp., detection and differentiation of microfilariae in canine blood, comparison of techniques, modified Knott technique and modified filter technique most reliable and consistent for detection; morphological and physiological features considered collectively is recommended for positive identification, striking difference in acid phosphatase activity offers most accurate method of differentiation

Technique, Parasite collection and recovery
Kihara, S., 1976, Nippon Zyuisi-Kai Zassi (J. Japan Vet. Med. Ass.), v. 29 (41), 203-208
helminth eggs, comparison of flotation methods using solutions of varying gravity, and single solution vs. mixture of solutions

Technique, Parasite collection and recovery
Killick-Kendrick, R., 1971, Symposia Brit. Soc. Parasitol., v. 9, 39-64
murine malaria parasites: collection of strains from rodents; collection of strains from mosquitoes; establishment of strains in the laboratory; maintenance by cyclical transmission, extensive review

Technique, Parasite collection and recovery
Kreier, J. P.; et al., 1976, Tropenmed. u. Parasitol., v. 27 (1), 82-88
Plasmodium berghei, characteristics of selected population of small blood stage parasites obtained by differential centrifugation of population of parasites freed by continuous flow sonication

Technique, Parasite collection and recovery
Krettli, A.; Chen, D. H.; and Nussenzweig, R. S., 1973, J. Protozool., v. 20 (5), 662-665
Plasmodium berghei, P. cynomolgi, sporozoites isolated by density-gradient centrifugation, infectivity, ability to induce protective immunity and formation of antisporozoite antibodies, in vitro reactivity in circum-sporozoite precipitation reaction

Technique, Parasite collection and recovery
Lewis, F. A.; and Colley, D. G., 1977, J. Parasitol., v. 63 (3), 413-417
Schistosoma mansoni, mice, modification of lung recovery assay (extended incubation of minced lung tissue) and correlations with worm burdens, may provide more defined indicator of protective immunity

Technique, Parasite collection and recovery
Lim, B. L., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 122-130
Dermacentor auratus ("wide spur and close spur" forms), mark-release and recapture program to study abundance, distribution, seasonal activity and movements and ecology of ticks: West Malaysia

Technique, Parasite collection and recovery
McAlister, R. O.; and Gordon, D. M., 1976, J. Parasitol., v. 62 (5), 664-669
Plasmodium berghei- or P. yoelii-parasitized mouse erythrocytes, differential fractionation by ultracentrifugation using preformed isodensity gradients of discontinuous type (Stractan II as gradient material), produces significant fractionation of various erythrocytic stages, yields cell suspensions both morphologically and physiologically intact

Technique, Parasite collection and recovery
McAlister, R. O.; and Gordon, D. M., 1977, J. Parasitol., v. 63 (3), 448-454
Plasmodium berghei, evaluation of 5 methods for artificial removal of merozoites from infected mouse erythrocytes, free merozoites found to be noninvasive in vitro irrespective of isolation method, infective potential in vivo of these "free" parasite preparations could be accounted for solely on basis of contamination by intact parasitized cells

Technique, Parasite collection and recovery
McCall, J. W., 1976, J. Parasitol., v. 62 (4), 585-588
Litomosoides carinii, simple method for collecting substantial quantities of infective larvae from pelts of Meriones unguiculatus exposed for only a few hours to large number of infected Ornithonyssus bacoti; jirds inoculated with larvae collected in this manner exhibited high mean % recoveries in a narrow range

Technique, Parasite collection and recovery
McKenna, P. B., 1976, N. Zealand J. Exper. Agric., v. 4 (2), 235-237
post-mortem recovery of Haemonchus contortus, Ostertagia spp., Trichostrongylus axei, sheep, peptic digestion of ovine abomasa unlikely to be of diagnostic value for field-submitted specimens

Technique, Parasite collection and recovery
Mahoney, D. F.; and Mirre, G. B., 1974, Research Vet. Sc., v. 16 (1), 112-114
extraction of infective material of Babesia argentina from larval stages of Boophilus microplus, use in infecting calves, potential source of erythrocyte-free parasites for vaccination and study of antigens

Technique, Parasite collection and recovery
Masihi, K. N.; et al., 1976, Exper. Parasitol., v. 39 (1), 84-87
Toxoplasma gondii, feasibility of using density gradient centrifugation in the "A" zonal rotor for large-scale purification of tachyzoites from host cells of mouse peritoneal exudate

Technique, Parasite collection and recovery
Mechow, A., 1975, Avian Path., v. 4 (1), 83-85
improved technique for separating oocysts from large amounts of feces

Technique, Parasite collection and recovery
Mitchell, G. H., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 281-282
Plasmodium knowlesi malaria in rhesus monkeys (exper.), techniques for isolation of merozoites for use in experimental vaccines, review of current status, symposium presentation

Technique, Parasite collection and recovery
Mitchell, G. H.; et al., 1977, Lancet, London (8026), v. 1, 1335-1338
Plasmodium falciparum, successful vaccination of Aotus trivirgatus griseimembra (exper.) with erythrocytic merozoites, immunity specific for falciparum malaria, technique for isolating merozoites from infected human blood

Technique, Parasite collection and recovery
Muller, R. L.; and Denham, D. A., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 8-9 [Demonstration]
filarial spp. larvae, field technique for recovery and preservation of infective larvae from their insect vectors, application to studies of transmission dynamics

Technique, Parasite collection and recovery
Murray, M.; Murray, P. K.; and McIntyre, W. I. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 325-326
African trypanosomiasis, light microscopic examination of buffy coat zone of a microhaematocrit capillary tube expressed onto a slide found to be more reliable than standard methods for diagnosing infections in cattle; method also allowed differentiation of species

Technique, Parasite collection and recovery
Mwegoha, W. M.; and Jørgensen, R. J., 1977, Acta Vet. Scand., v. 18 (3), 293-299
Haemonchus contortus, Ostertagia ostertagi, recovery of infective 3rd stage larvae by migration in agar gel, with and without addition of ox bile to agar gel, technique for recovery of larvae from field samples of pasture herbage

Technique, Parasite collection and recovery
Nakabayashi, T.; and Motomura, I., 1968, Nettai Igaku (Trop. Med.), v. 10 (2), 72-80
Toxoplasma gondii, separation of cysts from infected mouse brain using multi-layered centrifugation with gum arabic solution

Technique, Parasite collection and recovery
O'Neill, P. A.; and Parfitt, J. W., 1976, Vet. Rec., v. 98 (16), 321-323
Isospora suis, minimal disease pig herd, observations under non-experimental conditions, oocysts with sporoblasts recovered in infected pig feces 24 hours after collection, prepatent and patent periods, development of active acquired immunity following infection not affected by stress of farrowing

Technique, Parasite collection and recovery
Prior, R. B.; and Kreier, J. P., 1977, Ohio J. Sc., v. 77 (2), 91-96
Plasmodium gallinaceum, release from chicken erythrocytes by ultrasound, energy frequency, intensity, and exposure time necessary for erythrocyte breakdown

Technique, Parasite collection and recovery
Rivellini, P.; and Guarino, C., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 484-487
method for collecting parasite eggs and larvae from pasture grass

Technique, Parasite collection and recovery
Rohwedder, R. W.; et al., 1970, Bol. Chileno Parasitol., v. 25 (3-4), 106-110
Trypanosoma cruzi, human, recommendations for use of triatomid bugs in xenodiagnosis, best time for liquification and examination at peak parasitism

Technique, Parasite collection and recovery
Rose, J. H., 1971, Symposia Brit. Soc. Parasitol., v. 9, 109-121
gastrointestinal nematodes and lungworms of farm animals, isolation and maintenance in vivo, extensive review

Technique, Parasite collection and recovery
Rybnikar, A., 1975, Acta Vet. Brno, v. 44 (4), 385-391
Dictyocaulus filaria, experimentally infected lambs used as donors for obtaining larvae for preparation of radiation vaccine; amount of larvae excreted dependent upon body mass and age of lambs, total dose of larvae and season of infestation

Technique, Parasite collection and recovery
Ryley, J. F.; et al., 1976, Parasitology, v. 73 (3), 311-326
Eimeria tenella, separation of oocysts from feces, development of efficient procedure applicable on a large scale

Technique, Parasite collection and recovery
Scheiber, P.; et al., 1976, Bull. World Health Organ., v. 53 (4), 472-475
human Onchocerca volvulus, membrane filter concentration technique for epidemiologic field studies, comparison with standard techniques with increased incidence of observed prevalence and density of microfilariae

Technique, Parasite collection and recovery
Semtner, P. J.; and Hair, J. A., 1975, J. Med. Entom., v. 12 (1), 137-138
Amblyomma maculatum, Dermacentor variabilis, population sampling using carbon dioxide-baited traps compared with sweep sampling technique, traps appear to be useful survey tool: Oklahoma

Technique, Parasite collection and recovery
Sewell, M. M. H.; and Urquhart, H. R., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 287 [Demonstration]
technique for quantitative recovery of ascarid and Trichuris eggs from 100g samples of soil

Technique, Parasite collection and recovery
Shnain, A. H.; et al., 1973, Vet. Rec., v. 92 (19), 499-500, 501
cannulation of thoracic duct for recovery of Dictyocaulus filaria from lymph, surgical technique, sheep

Technique, Parasite collection and recovery
Sivanandam, S.; and Dondero, T. J., jr., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 415 [Demonstration]
description of simplified, non-breakable Sinton pipette useful in filariasis surveys and research where measured thick blood smears are required

Technique, Parasite collection and recovery
Smith, K., 1975, J. Microscopy, v. 105 (2), 229-232
method for concentrating nematode larvae from fecal material, procedure for processing for transmission electron microscopy

Technique, Parasite collection and recovery
Smith, R. R.; and Ruff, M. D., 1975, Poultry Science, v. 54 (6), 2081-2086
Eimeria spp., rapid technique using sodium bicarbonate, ether and centrifugation, cleaning and concentration of oocysts; storage stability of E. tenella and E. mivati oocysts at 4°C, comparison with sedimentation cleaned oocysts

Technique, Parasite collection and recovery
Spencer, F. M.; and Monroe, L. S., 1975, The color atlas of intestinal parasites, 158 pp.
intestinal parasites, color photomicrographs, laboratory techniques for specimen collection and preparation

Technique, Parasite collection and recovery
Stafford, E. E.; and Jachowski, L. A., jr., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 184-185
Nippostrongylus brasiliensis, method of quantitative intestinal worm recovery, rapid and accurate

Technique, Parasite collection and recovery
Szpakowska, J., 1976, Przegl. Dermat., v. 63 (1), 65-68
Sarcoptes scabiei, humans, comparative review of 4 diagnostic techniques, scrapings preserved in paraffin oil most efficient

Technique, Parasite collection and recovery
Tieben, G. L., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 405 [Abstract]
techniques for collecting ectoparasites from small birds

Technique, Parasite collection and recovery
Weiss, M. M.; and Vanderberg, J. P., 1974, J. Protozool., v. 21 (3), 423 [Abstract]
Plasmodium berghei, P. cynomolgi, isolation and concentration of ookinetes from Anopheles stephensi midguts

Technique, Parasite collection and recovery
Weiss, M. M.; and Vanderberg, J. P., 1976, J. Protozool., v. 23 (4), 547-551
Plasmodium berghei ookinetes, technic for isolation and concentration of large numbers from Anopheles stephensi midgut, evaluation of physiologic state of these stages upon isolation

Technique, Parasite collection and recovery
Williamson, J.; and Cover, B., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 78-87
Plasmodium falciparum, application of differential sucrose gradient centrifugation to separation and purification of human erythrocytic stages and gametocytes and of nitrogen cavitation for host-cell-free parasite preparation, gel diffusion analyses showed that highly purified infected cell preparations retained precipitinogenic spectrum of original crude preparation, possible use in vaccine preparation

Technique, Parasite collection and recovery
Wilton, D. P.; and Collins, R. C., 1977, Tropenmed. u. Parasitol., v. 28 (3), 384-386
Onchocerca volvulus, comparison study of recovery of parasites from vector black flies by individual dissection and by mass separation; poor results using mass separation technique

Technique, Parasite collection and recovery
Woo, P. T. K.; and Rogers, D. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 319-326
Trypanosoma spp., statistical study of sensitivity of haematocrit centrifuge technique for detecting trypanosomes in blood, evaluation of relationship of probability of detection of trypanosome to trypanosome density

Technique, Protozoa
Bower, S. M.; and Woo, P. T. K., 1977, Exper. Parasitol., v. 43 (1), 63-68
Cryptobia catostomi, use of in vitro plasma incubation test in study of host specificity (plasma of 6 refractive fishes had cryptobiacidal titers) and of host resistance mechanism (suggested that alternate pathway of complement activation is one mechanism of 'natural immunity' by vertebrates that are related to the susceptible host)

Technique, Protozoa
Brown, A., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 284 [Demonstration]
Plasmodium yoelii, technique for isolation of microgametes of malaria parasites, potential use in genetic studies

Technique, Protozoa
Fernando, M. A.; and Pasternak, J., 1977, Parasitology, v. 74 (1), 19-26
Eimeria necatrix, methods for isolating and purifying infected chick intestinal cells containing second-generation schizonts at various times post-infection

Technique, Protozoa
Fernando, M. A.; and Pasternak, J., 1977, Parasitology, v. 74 (1), 27-32
Eimeria necatrix, isolation of host-cell nuclei from chick intestinal cells infected with second-generation schizonts, DNA and RNA composition

Technique, Protozoa
Foley, D. A.; and Vanderberg, J. P., 1977, Exper. Parasitol., v. 43 (1), 69-81
Plasmodium berghei, successful transmission to rats, mice, and hamsters using liver from sporozoite-infected rats without concomitant blood infections, concluded that infections were due to immature exoerythrocytic schizonts (EES), other life cycle stages rigorously excluded as cause of infectivity, immunity to malaria in sporozoite-immune mice does not extend to EES

Technique, Protozoa
Foley, D. A.; and Vanderberg, J. P., 1977, Experientia, v. 33 (7), 911-912
Plasmodium berghei, rats, mice, simple method for transmitting infection by inoculation of immature exoerythrocytic schizonts, possibility that infection has been induced by other life cycle stages has been experimentally excluded, potential applications of this technique

Technique, Protozoa
Gravely, S. M.; and Kreier, J. P., 1974, Tropenmed. u. Parasitol., v. 25 (2), 198-206
Babesia microti, removal from infected hamster erythrocytes by continuous-flow ultrasonication, freed parasites collected by differential centrifugation, effectiveness of this system of lysis evaluated by electron microscopy and parasites evaluated serologically by complement-fixation testing, cross-reactions with sera from Plasmodium berghei-infected hamsters may be due to erythrocyte contamination

Technique, Protozoa
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Crithidia luciliae, suspensions treated with 30 lectins of plant and fungus, agglutination, fixation upon membrane and flagella in relation to lectin structure; more precise knowledge of glucidic receptors on membranes; possible use of technique in identification, taxonomy and study of intracellular structures

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Technique, Specimen preparation and preservation
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Technique, Specimen preparation and preservation
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Technique, Specimen preparation and preservation
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Technique, Specimen preparation and preservation
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Technique, Specimen preparation and preservation
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use of protamine-coated slides for immobilizing Protozoa for observation

Technique, Specimen preparation and preservation
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Technique, Specimen preparation and preservation
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Technique, Specimen preparation and preservation
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Technique, Specimen preparation and preservation
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Technique, Specimen preparation and preservation
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Technique, Specimen preparation and preservation
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Technique, Specimen preparation and preservation
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Technique, Specimen preparation and preservation
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Technique, Specimen preparation and preservation
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Technique, Specimen preparation and preservation
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Technique, Treatment and control
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Technique, Treatment and control
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Technique, Treatment and control
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Technique, Treatment and control
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Technique, Treatment and control
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gastrointestinal nematodes in cattle (nat. and exper.), citarin-L spot-on, application on skin, good results

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Trypanosoma brucei brucei and T. b. rhodesiense infections in mice (exper.) successfully treated with salicylhydroxamic acid if combined with glycerol and administered before patent infection established; T. vivax infections of different durations all successfully cured

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Plasmodium berghei yoelii, mice (exper.), establishment of mean causal prophylactic dose of selected antimalarial and experimental compounds

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Leptomonas sp., inhibition by several standard antiprotozoal drugs of growth and oxygen uptake of cells and particulate preparations, possible use as model organism for screening antitrypanosomatid agents as compared to Crithidia fasciculata

Technique, Treatment and control
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trypanosome suspension (Trypanosoma brucei), titration technique on plastic microtest plates (Nunclon) to determine trypanocidal drug activity in body fluids and to detect contribution of humoral immunity to chemotherapeutic activity

Technique, Treatment and control
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Trypanosoma brucei, T. evansi, bioassay technique for titration of trypanocidal activity in microtest plates using very small samples, use to study activity of plasma and tissue fluid from normal and infected rabbits treated with curative drugs, activity higher in samples from infected rabbits due to participation of immune response

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Technique, Treatment and control
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Henson, E.; et al., 1972, J. Reticuloendothel. Soc., v. 11 (4), 313-324
Schistosoma mansoni, mice, treatment with propiomazine alone or in combination with epinephrine inhibits granuloma formation and prolongs host survival without killing parasite or inhibiting its egg production, suggests alternate approach to treatment of schistosomiasis

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Plasmodium berghei nigeriensis, screening compounds for causal prophylactic activity, 2 methods for testing compounds against tissue stages (one for compounds with little or no residual effect and one for those with prolonged residual effect), 9 compounds examined

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Trichuris muris and other helminths, dogs, mice (both exper.), CP-14,445 hydrochloride and pamoate compared with activity of known anthelmintics; dosage response data indicate that T. muris-mouse infection could be test model for antiwhipworm studies

Technique, Treatment and control
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Babesia equi, equine, determination of carriers, application of glucocorticoids to produce hosts for treatment studies

Technique, Treatment and control
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Technique, Treatment and control
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Technique, Treatment and control
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Echinococcus granulosus in Sigmondon hispidus, replacement of hydatid fluid by fresh serum from infected host kills cysts, may be practical immunotherapeutic method, similar replacement also killed treated Echinococcus multilocularis cysts but cyst mass continued to grow by surface budding, these data confirm hypothesis that hydatid cysts survive despite antibody response because antibodies normally pass into cysts in quantities too small to destroy the parasite

Technique, Treatment and control
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Rhipicephalus sanguineus, technique for testing acaricide (carbaryl and malathion) susceptibility with disposable pipette, can be used for monitoring development of tick resistance

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Technique, Treatment and control
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Cooperia punctata, in vitro-grown parasitic stages, evaluation of 28 anthelmintics using presumptive and confirmatory tests, comparison of in vitro potency with established in vivo activity against Cooperia and various other parasites, potential usefulness as preliminary screening method

Technique, Treatment and control
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Schistosoma mansoni, technique for measurement of worm activity as indication of drug action and worm response to drug

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Leishmania mexicana amastigotes in tissue culture cells as basis of technique for rapid screening of compounds for leishmanicidal activity

Technique, Treatment and control
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Leishmania mexicana mexicana, L. tropica major, L. donovani amastigotes in dog sarcoma cells and in hamster peritoneal exudate cell line, techniques for studying sensitivity of parasites and hosts to drugs, concluded that tissue culture system is valid way of determining baseline sensitivity of a Leishmania to chemotherapy, illustrative data with amphotericin B and 7'-trifluormethyl-dihydrocinchonine dihydrochloride

Technique, Treatment and control
Mattock, N. M.; and Peters, W., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 359-371
Leishmania spp. in tissue culture model system, variety of compounds used in treatment of parasitic or bacterial infections tested for activity, concluded that model may be of use in screening of drugs for leishmanicidal action

Technique, Treatment and control
Mattock, N. M.; and Peters, W., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 449-462
Leishmania spp. in tissue culture model system, leishmanicidal action of over 100 compounds examined

Technique, Treatment and control
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helminthiasis in breeding ewes, economic analysis of two schemes for anthelmintic (levamisole) control: Western District of Victoria, Australia

Technique, Treatment and control
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Plasmodium falciparum cerebral malaria in children, possible relationships between malarial infection and nutritional state; use of heparin as adjunct to malarial therapy shows promising results in small clinical trial: Indonesia

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Ortiz, E.; et al., 1977, Gac. Vet., Buenos Aires (322), v. 39, 368-377
levamisol, calves, effectivity of new formulation applied percutaneously, good weight gain, parasites reduced, no toxicity

Technique, Treatment and control
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Hymenolepis nana, mice, phospholipase B activity of small intestine as laboratory test for presence of parasites and for evaluating effectiveness of treatment, confirmation of some features of niclosamide action (relative refractoriness of early parasitic forms, enhanced effect of multiple doses)

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human amoebic hepatic abscess, use of percutaneous catheter drainage, case report: Denver (soldier returned from Vietnam)

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Pautrizel, R.; et al., 1975, J. Protozool., v. 22 (3), 84A [Abstract]
Trypanosoma equiperdum, rabbits, control by exposure to magnetic field and electromagnetic waves, immunological reactions, resistance to reinfection

Technique, Treatment and control
Pellegrino, J., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 523-524
Schistosoma japonicum, maturation of eggs in intestine of mice (exper.), results of Fouadin treatment, data show that oogram method for screening drugs in S. mansoni can also be used for S. japonicum

Technique, Treatment and control
Peters, W.; Davies, E. E.; and Robinson, B. L., 1975, Ann. Trop. Med. and Parasitol., v. 69 (3), 311-328
Plasmodium yoelii nigeriensis-mouse model for screening drugs for causal prophylactic activity

Technique, Treatment and control
Peters, W.; Portus, J. H.; and Robinson, B. L., 1975, Ann. Trop. Med. and Parasitol., v. 69 (2), 155-171
Plasmodium berghei, use of drug-sensitive strain and several drug-resistant lines derived from it for evaluation of a selection of old and new compounds, value as screening system for blood schizontocidal activity

Technique, Treatment and control
Pryce, R. N., 1976, J. South African Vet. Ass., v. 47 (4), 289-290
canine biliary fever, method of determining plasma bicarbonate levels as measure of pH of body fluids, aid in determining metabolic normality and success of treatment

Technique, Treatment and control
Rane, L.; Rane, D. S.; and Kinnamon, K. E., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 395-400
Trypanosoma rhodesiense, test system to evaluate large numbers of candidate drugs based on mortality of mice with blood-induced infections, serves as primary screen or as secondary and confirmatory test for active compounds

Technique, Treatment and control
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Oesophagostomum spp., Hyostrongylus rubidus, Ascaris suum, young swine (exper.), multistage multiparasite model for pathological and anthelmintic studies

Technique, Treatment and control
Recknagel, H.; and Werner, E., 1975, Monatsh. Vet.-Med., v. 30 (20), 768-771
liver fluke implantation technique, screening of fasciolicides

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Eimeria spp., chicks medicated with roxarsone and zoalene produced higher oocyst counts than unmedicated controls confirming the conclusion that oocyst counts are an unsatisfactory index to anticoccidial activity

Technique, Treatment and control
Reinecke, R. K., 1972, Onderstepoort J. Vet. Research, v. 39 (3), 153-178
gastrointestinal nematodes of cattle, use of modified nonparametric method to evaluate anthelmintic efficacy of levamisole and mebendazole against various parasite stages, detailed description of each step of procedure

Technique, Treatment and control
Richards, W. H. G.; and Williams, S. G., 1973, Ann. Trop. Med. and Parasitol., v. 67 (2), 179-190
Plasmodium berghei, in vitro evaluation of drug activities using whole blood vs. leucocyte-free blood-dilution cultures and ^{3}H-leucine uptake, comparison with P. knowlesi

Technique, Treatment and control
Richards, W. H. G.; and Williams, S. G., 1975, Ann. Trop. Med. and Parasitol., v. 69 (2), 135-140
Plasmodium falciparum in Aotus trivirgatus, treatment with chloroquine or 1-amidino-3-(3-chloro-4-cyanophenyl) urea, comparison of assessment in vivo with an in vitro test of protein-synthesizing activity (incorporation of radioactive leucine), in vitro system should prove useful in drug metabolism studies and in experiments using large or expensive animals

Technique, Treatment and control
Roberts, C. O.; Chaparas, S. D.; and McLaughlin, D., 1976, Tr. Am. Micr. Soc., v. 95 (3), 470-482
Toxoplasma gondii, plaque assay technique used to (1) select best tissue culture system for studying progress of infection, (2) assess effect of drugs and antibiotics, (3) observe effect of immune sera on tissue culture infection, and (4) investigate cellular hypersensitivity by in vivo and in vitro systems

Technique, Treatment and control
Rosenberg, M. A.; et al., 1976, Vet. Med. and Small Animal Clin., v. 71 (4), 496, 498-503
[Dirofilaria immitis], evaluation of prognosis and treatment, mathematical formula

Technique, Treatment and control
Ryley, J. F.; and Hardman, L., 1977, Parasitology, v. 75 (2), xv [Abstract]
Eimeria spp., effect of vitamin K-deficient diets on infection and in particular on effectiveness of anti-coccidial drugs, concluded that use of deficient diet in screening and evaluating drugs is justified

Technique, Treatment and control
Ryley, J. F.; and Wilson, R. G., 1976, Parasitology, v. 73 (2), 137-148
Eimeria tenella, practical considerations involved in screening drugs in cell culture and in the chicken, analysis for incidence of anticoccidial activity and host cell toxicity based on 11,550 compounds screened in vitro, correlation of activity in vitro and in vivo attempted, results show that screening compounds in vitro is not satisfactory or reliable alternative to screening in chickens, but in vitro studies can play a part in evaluation of active drugs

Technique, Treatment and control
Ryley, J. F.; and Wilson, R. G., 1976, Parasitology, v. 73 (3), 287-309
Eimeria tenella, features of anticoccidial activity of 9 older anticoccidials re-investigated both in vivo and in cell culture, methodology discussed in relation to more active and more recent anticoccidials, further experiments with robenidine reported

Technique, Treatment and control
Schlemper, B. R., jr.; Chiari, E.; and Brener, Z., 1977, J. Protozool., v. 24 (4), 544-547
Trypanosoma cruzi, 48-hr drug screening test based on inhibition of exponential growth of culture forms as evaluated by cell counter, comparison with data from treating inoculated mice, advantages of in vitro method; culture forms not suitable for screening additives to prevent T. cruzi transmission by banked blood

Technique, Treatment and Control
Schmidt, L. H., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 446-474
Plasmodium falciparum and Plasmodium vivax in Aotus trivirgatus as model systems for chemotherapeutic studies, handling of animals, course of infections and response to standard antimalarial drugs compared with that in man, use of model in assessing activities of new agents and drug resistance

Technique, Treatment and control
Schmidt, L. H.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1116-1128
Plasmodium cynomolgi, rhesus monkeys, various 8-aminoquinolines in combination with blood schizonticidal drugs, total dose of 8-aminoquinoline administered (rather than duration of treatment) is primary determinant of radical curative activity

Technique, Treatment and control
Schnack, C. L.; Boysen, D. L.; and Henrichsen, K. A., 1977, Vet. Med. and Small Animal Clin., v. 72 (12), 1872-1873
two techniques for administering thiabendazole paste to cattle

Technique, Treatment and control
Sheahan, B. J.; O'Connor, P. J.; and Kelly, E. P., 1974, Vet. Rec., v. 95 (8), 169-170
Sarcoptes scabiei, pigs, compensatory weight gains following treatment for sarcoptic mange; ears of pigs should be treated during spraying or dipping

Technique, Treatment and control
Sinclair, A. N., 1976, N. Zealand Vet. J., v. 24 (7), 149-152
Psorergates ovis, fleece derangement in infected Merino sheep before and after treatment as measurement of treatment success

Technique, Treatment and control
Stammers, B. M., 1976, Lab. Practice, v. 25 (5), 316-318
Fasciola hepatica, use of miracidia for screening of fasciolicidal compounds, fasciolicides more active against miracidia than other anthelmintics, anti-protozoals, antibiotics, insecticides or schistosomicides, statistical analysis

Technique, Treatment and control
Stoopen, M.; De Stoopen, V. B.; and Landa, L., 1975, Prensa Med. Mexicana, v. 40 (3-4), 59-65
E[ntamoeba] histolytica, perfusion of emetine into hepatic artery over a 24-48 hour period in persons with severe toxic infection and hepatic failure, useful therapeutic resource in instances of severe infections: Mexico

Technique, Treatment and control
Strosova, Z.; and Danek, J., 1974, J. Protozool., v. 21 (3), 458 [Abstract]
use of chick embryos for screening new coccidiostatic substances

Technique, Treatment and control
Suswillo, R. R.; and Denham, D. A., 1977, J. Parasitol., v. 63 (3), 591-592
Brugia pahangi, transplanted infections in Meriones unguiculatus as a new system of testing drugs for filaricidal activity

Technique, Treatment and control
Takats, C., 1972, Parasitol. Hungar., v. 5, 203-216
human helminths, 171 compounds tested on laboratory animals for possible anthelmintic action, techniques of screening procedures described

Technique, Treatment and control
Trigg, P. I., 1976, Bull. World Health Organ., v. 53 (4), 399-406
Plasmodium spp., parasite cultivation in relation to chemotherapy of malaria with special application to chloroquine resistance, review of current aspects and new developments

Technique, Treatment and control
Upatham, E. S.; Sturrock, R. F.; and Cook, J. A., 1976, Parasitology, v. 73 (3), 253-264
Schistosoma mansoni, human, simple standardized hatching test used to estimate egg hatching rate in relation to host age, sex, and intensity of infection, implications for epidemiology and for use in assessing drug efficacy: St. Lucia, West Indies

Technique, Treatment and control
Vakil, B. J.; and Dalal, N. J., 1974, Progr. Drug Research, v. 18, 353-364
Entamoeba histolytica, humans, techniques for comparative evaluation of amoebicidal drugs: sites of action, efficacy, side effects, and toxicity

Technique, Treatment and control
Videau, D., 1972, Path. Biol., v. 20 (11-14), 625-630
biological method for assaying amount of drugs (metronidazole, dimetridazole) in human tissues

Technique, Treatment and control
Viens, P.; and Beal, C. B., 1973, Medecine Afrique Noire, v. 20 (12), 1009-1011
Strongyloides stercoralis, human diagnosis and evaluation of thiabendazole treatment using duodenal intubation

Technique, Treatment and control
Vogel, C. W.; and Koenigk, E., 1975, Tropenmed. u. Parasitol., v. 26 (3), 278-280
human malaria, spectrofluorometric and spectrodensitometric determination of chloroquine in plasma and urine of persons undergoing malaria therapy

Technique, Treatment and control
Walker, P. J.; and Opiyo, E. A., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 281-282 [Abstract]
Trypanosom[a] brucei, T. rhodesiense, mice, effect of parasite burden on curative dose of trypanocides, possible source of variation in results of in vivo drug tests

Technique, Treatment and control
Warhurst, D. C.; Homewood, C. A.; and Baggaley, V. C., 1974, Ann. Trop. Med. and Parasitol., v. 68 (3), 265-281
Plasmodium berghei, erythrocytic forms in vitro, technique for study of autophagic vacuole formation (pigment clumping), effect of chloroquine alone or with various cytotoxic drugs, may be used to study mode of action of antimalarials, effects of cultivation and other treatments upon malaria parasites, and as assay system for chloroquine and similar drugs

Technique, Treatment and control
Wilkins, H. A.; and El-Sawy, M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 486-489
Schistosoma haematobium, urinary egg counts in citizens of Nile delta community as possible assessment of pathologic damage from infections and comparisons of findings with comparable surveys in sub-Saharan Africa; results in persons who had previously received tartar emetic therapy demonstrate need for reevaluation of therapeutic methods

Technique, Treatment and control
Wilson, R. G., 1976, Parasitology, v. 73 (3), 283-286
Eimeria tenella, short-term application of 6 drugs in tissue culture, evaluation of coccidiocidal vs. coccidiostatic effect, necessity of monitoring technique to confirm drug withdrawal, importance of realistic level of drug dose

Technique, Treatment and control
Zawadzki, J., 1977, Przegl. Lek., v. 34 (4), 445-447
Trichomonas vaginalis, canesten used alone or simultaneously with metronidazole in women with vaginitis, less complications after gynecological surgery if treated prophylactically prior to surgery

Technique, Trematoda
Farag, H. F., 1974, Tropenmed. u. Parasitol., v. 25 (1), 60-65
Schistosoma mansoni, immersion of mice as monitors in natural water as useful experimental means of studying role of canals in transmission of schistosomiasis, infection rate and intensity at different times of year, correlation with infection rates in snail populations and endemicity index in man: Al Khadra area, near Alexandria, Egypt

Technique, Trematoda
Hanna, R. E. B.; Baalawy, S. S.; and Jura, W., 1975, Research Vet. Sc., v. 19 (1), 96-97
Fasciola gigantica, development of in vitro techniques to study the invasive process, conditions necessary for excystment and penetration of mouse gut, maintenance of larvae on spleen cell monolayers

Technique, Trematoda
James, E. R.; and Taylor, M. G., 1976, J. Helminth., v. 50 (4), 223-233
Schistosoma mansoni, six techniques for transformation of cercariae to schistosomula, comparative efficiency, infectivity of transformed organisms for mice by six different routes of administration, implications for immunization experiments

Technique, Trematoda
Lewert, R. M.; Yogore, M. G., jr.; and Eubel, M. J., 1975, J. Parasitol., v. 61 (6), 1109-1111
Schistosoma japonicum, simplified methods for laboratory maintenance in Oncomelania hupensis ssp.

Technique, Trematoda
Nansen, P.; Christensen, N. O.; and Frandsen, F., 1976, Ztschr. Parasitenk., v. 49 (1), 73-80
Fasciola hepatica, in vivo labelling of miracidiae with radioselenium, administered intraperitoneally in mice, no apparent effects on hatching, motility, or infectivity to snails, possible use in studies of host location and other aspects of parasite-snail contact

Technique, Trematoda
Negron-Aponte, H.; and Jobin, W. R., 1977, Internat. J. Parasitol., v. 7 (2), 123-126
Schistosoma mansoni cercariae, speed of dispersion from release point in laboratory studies, use in formulation of guidelines for spacing and timing of samples to detect populations of cercariae in the field

Technique, Trematoda
Ramalingam, K., 1976, Cytologia, v. 41 (1), 131-138
Pricea multae, morphological differentiation of unfixed, unstained vitelline cells into 6 classes using phase microscopy, proposed vitellocyte nomenclature may not represent stages of development

Technique, Trematoda
Ueno, H., 1976, Japan Agric. Research Quart., v. 10 (3), 149-152
metacercaria detecting buoy method for detecting Fasciola metacercariae in rice fields: Japan

Technique, Trematoda
Whitlock, H.V.; et al., 1977, Vet. Parasitol., v. 3 (1), 75-83
comparison of closed container vs. shallow aquarium systems for production of Fasciola hepatica metacercariae from field-collected Lymnaea tomentosa of varying sizes

Technique, Ultracentrifugation. See Centrifugation.

Technique, Ultrasonication. See Sound.

Technique, Vectors. See Vectors.

Teeth. [See also Mouth]

Teeth
Kikuchi, S.; et al., 1977, Eisei Dobutsu (Japan. J. San. Zool.), v. 28 (4), 393-400
Hirudo nipponica, morphology, denticular arrangement, scanning electron microscopy

Tegument. [See also Cuticle; Integument; Membranes; Parasite surfaces]

Tegument
Andersen, K., 1976, Fauna, Oslo, v. 29 (1), 1-20
helminth adaptation to life in vertebrate intestine, cysts, attachment organs, structure of tegument, immune response, site selection, evolution, extensive review

Tegument
Asch, H. L.; and Dresden, M. H., 1977, J. Parasitol., v. 63 (1), 80-86
Schistosoma mansoni, effects of zinc on viability and morphology of cercariae and schistosomules, on cercarial staining in indirect immunofluorescence test, and on cercarial penetration of skin, findings suggest possible relationships of zinc to host resistance to and control of schistosomiasis

Tegument
Banaja, A. A.; James, J. L.; and Riley, J., 1976, Parasitology, v. 73 (2), xxix [Abstract]
pentastomids, tegumental cuticular cells, osmoregulatory function

Tegument
Banaja, A. A.; James, J. L.; and Riley, J., 1977, Internat. J. Parasitol., v. 7 (1), 27-40
Reighardia sternai, Porocephalus crotali, Armillifer moniliformis, tegumental chloride cells (previously termed cuticular cells), ultrastructure, osmoregulatory function

Tegument
Befus, A. D., 1977, Exper. Parasitol., v. 41 (1), 242-251
Hymenolepis diminuta-, H. microstoma-infected mice, distribution and abundance of immunoglobulins in intestinal wall and lumen, immunoglobulin binding to worm tegumental surfaces

Tegument
Belton, C. M., 1977, J. Electr. Micr., v. 26 (2), 184 [Abstract]
Taenia crassiceps, tegument, freeze-fracture study of morphology

Tegument
Belton, C. M., 1977, J. Parasitol., v. 63 (2), 306-313
Taenia crassiceps larvae, tegument, freeze-fracture study

Tegument
Bennett, C. E., 1975, J. Parasitol., v. 61 (5), 892-898
Fasciola hepatica, scanning electron microscopy during growth and maturation in mouse, changes in pattern of surface spines, nature of tegument around spines, possible functions of spines

Tegument
Beverley-Burton, M.; and Logan, V. H., 1976, J. Parasitol., v. 62 (1), 148-151
Quinqueserialis quinqueserialis, Notocotylus urbanensis, ventral papillae, histochemistry, structure and ultrastructure, results suggest function as specialized non-glandular adhesive organs

Tegument
Blair, D. G.; and Burt, M. D. B., 1976, Canad. J. Zool., v. 54 (5), 802-806
Monoecocestus americanus scolex, papillae and associated sensilla, fine structure, distribution, possible function

Tegument
Borgers, M.; et al., 1975, J. Parasitol., v. 61 (5), 830-843
Taenia taeniaeformis, mice, parenteral treatment with mebendazole, progressive micromorphological changes in cysticerci confined to absorptive compartment of larvae (tegument and tegumental cells), primary interference with microtubular system

Tegument
Brink, L. H.; McLaren, D. J.; and Smithers, S. R., 1977, Parasitology, v. 74 (1), 73-86
Schistosoma mansoni, artificially transformed schistosomula and schistosomula recovered after cercarial penetration of isolated skin, comparison of ultrastructure, development, antigenic nature, viability in vivo and in vitro, infectivity

Tegument
Cain, G. D.; Johnson, W. J.; and Oaks, J. A., 1977, J. Parasitol., v. 63 (3), 486-491
Hymenolepis diminuta, isolated tegument, vesicular and brush border fractions, neutral and phospholipid compositions

Tegument
Chappell, L. H., 1976, Parasitology, v. 73 (2), xxii [Abstract]
Schistosoma, Fasciola, relative nutritional roles of gut and tegument

Tegument
Demaree, R. S., jr.; and Wootton, D. M., 1975, Proc. 33. Ann. Meet. Electron Microsc. Soc. America, 656-657
Alaria sp., ultrastructure, particularly tegument, muscles and excretory bladder

Tegument
Dike, S. C., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 552-568
ultrastructure of the esophageal region of the alimentary tract of male Schistosoma mansoni

Tegument
Dupouy, J., 1975, Compt. Rend. Acad. Sc., Paris, v. 281, s. D, Sc. Nat. (23), 1847-1850
larval Polystoma integerrimum, ultrastructure of tegument, comparison with adult stage, other juvenile stages of Monogenea and Digenea adapted to amphibian urinary environment

Tegument
Edwards, H. H.; Nollen, P. M.; and Nadakavukaren, M. J., 1977, Internat. J. Parasitol., v. 7 (6), 429-437
Philophthalmus megalurus, tegumental papillae on oral sucker, scanning and transmission electron microscopy

Tegument
Ernst, S. C., 1975, J. Parasitol., v. 61 (4), 633-647
Schistosoma mansoni, esophagus, cecum, tegument, digestive-absorptive functions, acid phosphatase activity, electron-dense tracers all ingested but none phagocytized

Tegument
Euzet, L.; and Gabrion, C., 1976, Compt. Rend. Acad. Sc., Paris, v. 283, s. D (4), 367-370
Anomotaenia constricta, Hymenolepis stylosa, larvae, presence of morphogenetic field in scolex which stimulates graduated differentiation of tegument and associated structures from scolex to cercomer

Tegument
Fournier, A., 1976, Ann. Parasitol., v. 51 (1), 15-26
Euzetrema knoepffleri, tegument, ultrastructure and development during life cycle

Tegument
Gress, F. M.; and Lumsden, R. D., 1976, J. Parasitol., v. 62 (6), 927-938
Schistosoma mansoni, intrasporocyst cercariae, tegument, fine structure and cytochemistry

Tegument
Halton, D. W., 1976, Parasitology, v. 73 (2), xxi-xxii [Abstract]
Calicotyle kroyeri vs. Diclidophora merlangi, examination of 3 organ systems with respect to nutrition, diet, feeding mechanism (foregut, gut caeca, tegument)

Tegument
Halton, D. W., 1977, Parasitology, v. 75 (2), i [Abstract]
Diclidophora merlangi, tegument, surface morphology, experimental evidence for functional role in absorption of low molecular weight nutrients

Tegument
Hanna, R. E. B., 1976, Exper. Parasitol., v. 39 (2), 204-213
Fasciola hepatica, incorporation of galactose and glucose into glycogen and glycoprotein of various tissues (parenchyma, tegument, testis, muscle), light and electron microscope autoradiography

Tegument
Hanna, R., 1977, Parasitology, v. 75 (2), iii [Abstract]
Fasciola hepatica tegument, electron microscope autoradiographic studies on accumulation of tritiated leucine and tritiated galactose suggest at least two distinct synthesis and transport processes operating simultaneously in T1 type tegumentary cells

Tegument
Hanna, R. E. B.; and Threadgold, L. T., 1976, Exper. Parasitol., v. 39 (1), 106-114
Fasciola hepatica tissue slices, stereological analysis of effects of metabolic inhibitors on production and distribution of Type 1 secretory bodies in tegument

Tegument
Hicks, R. M.; and Newman, J., 1977, Cell Biol. Internat. Rep., v. 1 (2), 157-167
Schistosoma haematobium, tegument, surface structure, scanning electron microscopy

Tegument
Higgins, J. C., 1977, Parasitology, v. 75 (2), xx-xxi [Abstract]
Bucephalus haimeanus, nutrient uptake by metacercarial stage, hydrolytic enzymes in cyst wall

Tegument
Hillman, G. R.; Gibler, W. B.; and Anderson, J. B., 1977, Am. J. Trop. Med. and Hyg., v. 26 (2), 238-242
Schistosoma mansoni and S. japonicum in culture, comparative drug effects of hycanthone, scanning electron microscopy demonstrated degeneration of tegument of S. mansoni but not S. japonicum

Tegument
Irwin, S. W. B.; and Threadgold, L. T., 1976, Parasitology, v. 73 (2), xxiii-xxiv [Abstract]
Cryptocotyle lingua, redia, surface morphology

Tegument
Jackson, T.F.H.G., 1976, J. Helminth., v. 50 (1), 45-47
Bulinus (Physopsis) africanus antigens shown to be associated with cercarial glycocalyx of Schistosoma haematobium using immunofluorescence and Cercarienhuellen reaktion, possibility that snail antigen might sensitise definitive host and induce resistance to further invasion by cercariae

Tegument
Jones, A., 1975, J. Helminth., v. 49 (4), 251-261
Bothriocephalus scorpii, external feature of scolex and strobila, attachment and pathology, segmentation, morphology and sequence of development of reproductive organs, pseudoapolysis, ultrastructure of tegument, ultrastructure and histology of scolex, sense organs, littoral fishes: Wales

Tegument
Kabil, S. M., 1976, J. Trop. Med. and Hyg., v. 79 (9), 205-206
Schistosoma mansoni adult female, mouse (exper.) host complement detected in parasite tegument

Tegument
Kabil, S. M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 283 [Demonstration]
Schistosoma mansoni, host complement in tegument of female schistosomes, possible role in protection against host immunological attacks

Tegument
Kassis, A. I.; Goh, S. L.; and Tanner, C. E., 1976, Internat. J. Parasitol., v. 6 (3), 199-211
Echinococcus multilocularis, protoscoleces, changes in tegument ultrasturucture during complement-mediated lysis in vitro, transmission and scanning electron microscopy

Tegument
Kelligan, M.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 291 [Demonstration]
Schistosoma mansoni, soluble membrane proteins existing in cytoplasm of tegument either free or in membrane bounded vesicles, possibly important in membrane synthesis on the outer surface of the worm

Tegument
Kemp, W. M.; et al., 1977, J. Immunol., v. 119 (5), 1849-1854
Schistosoma mansoni, evidence for adsorption of heterospecific host immunoglobulin on worm tegument

Tegument
Kemp, W. M.; Damian, R. T.; and Greene, N. D., 1976, J. Parasitol., v. 62 (5), 830-832
Schistosoma mansoni, immunocytochemical localization of baboon IgG on tegumental surfaces of adult parasites obtained from baboons

Tegument
Kritsky, D. C.; and Kruidenier, F. J., 1976, Proc. Helminth. Soc. Washington, v. 43 (1), 47-58
Gyrodactylus eucaliae, tegument, fine structure and development

Tegument
Kryvi, H., 1972, Norwegian J. Zool., v. 20 (4), 243-254
Derogenes varicus and Hemiurus communis, tegument, ultrastructure

Tegument
Lascano, E. F.; Coltorti, E. A.; and Varela-Diaz, V. M., 1975, J. Parasitol., v. 61 (5), 853-860
Echinococcus granulosus, hydatid cysts, germinal membrane, fine structure

Tegument
Levy, M. G.; and Read, C. P., 1975, J. Parasitol., v. 61 (4), 648-656
Schistosoma mansoni, nucleotide hydrolysis at tegumental surface, relation between tegumentary phosphohydrolases and purine and pyrimidine transport systems

Tegument
Lo, S.; et al., 1975, J. Parasitol., v. 61 (3), 413-417
Allopodocotyle lepomis, larval surface structure, tegumental changes during transition from cercaria to metacercaria, topography of newly encysted metacercaria and host capsule, scanning electron microscopy

Tegument
Lumsden, R. D., 1975, Tr. Am. Micr. Soc., v. 94 (4), 501-507
Lacistorhynchus tenuis and Hymenolepis diminuta, tegument, model system for studies on membrane structure and function in host-parasite relationships

Tegument
McLaren, D. J.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 292 [Demonstration]
Schistosoma mansoni, freeze fracture technique used to compare tegumental membranes of schistosomula recovered from hosts at various times up to 5 days with those maintained in culture for a comparable period; results suggest that tegumental membranes of cultured worms turn over more rapidly than those of worms in vivo and therefore question use of cultured worms for studies on membranes

Tegument
McLaren, D. J.; and Hockley, D. J., 1976, Parasitology, v. 73 (2), 169-187
Schistosoma mansoni, development of microvilli on tegument surface during cercaria/schistosomulum transformation

Tegument
Marucci, A. A.; Halliday, D.; and Mueller, J. F., 1977, J. Parasitol., v. 63 (1), 170-171
Spirometra mansonoides, use of unlabeled antibody immunohistochemical technique for demonstration of mouse immunoglobulin on surface of worms taken from infected mice; calcareous corpuscles also have heavy concentrations of reaction products but in controls as well

Tegument
Moore, G. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 115 [Demonstration]
Schistosoma mansoni, morphological changes in tegument after treatment with hycanthone

Tegument
Moore, M. N.; and Halton, D. W., 1975, Ztschr. Parasitenk., v. 47 (1), 45-54
Fasciola hepatica, rediae, cercariae, histochemistry with particular emphasis on enzymes, localization in tegument and caecum suggests probable absorptive and digestive functions

Tegument
Muthukrishnan, S., 1976, Zool. Jahrb., Jena, Abt. Anat., v. 95 (4), 431-438
Taenia hydatigena, larval tegument, histochemistry

Tegument
Oaks, J. A.; Knowles, W. J.; and Cain, G. D., 1977, J. Parasitol., v. 63 (3), 476-485
Hymenolepis diminuta, simple method for isolating enriched preparation of tegumental brush border

Tegument
Overstreet, R. M., 1976, J. Parasitol., v. 62 (5), 702-708
Crassicutis archosargi, redescription, occurrence of numerous unidentified refractile bodies in tegument and other tissues, binding to host intestine by adhesive tegument, hyperparasitism by myxosporidan and Hexamita sp.

Tegument
Perkatova, V. N., 1975, Dokl. Vsesoiuz. Akad. Sel'skokhoz. Nauk (10), 39-40
Gastrothylax crumenifer, morphology and physiology of tegument, intestine and saccus alimentarius, localization of nonspecific esterase; adaptations to existence among dense papillae of rumen and glandular structure thereof

Tegument
Poliakova-Krusteva, O.; et al., 1976, Ztschr. Parasitenk., v. 50 (3), 285-291
Fasciola hepatica, subcuticular cells, ultrastructure, localization of DNA synthesis in tegument; origin and function of cells

Tegument
Popiel, I., 1976, Norwegian J. Zool., v. 24 (4), 353-364
Cercaria stunkardi metacercaria in Amphithoe rubricata (exper.), ultrastructure of cyst wall, gut caecae, and tegument at varying intervals after penetration, host encapsulation

Tegument
Popiel, I.; and James, B. L., 1977, Parasitology, v. 75 (2), ii [Abstract]
Cercaria littorinae saxatilis V Popiel, 1776, Microphallus similis, M. pygmaeus, tegument of daughter sporocysts, retention of outer nucleated region seen as example of paedogenesis

Tegument
Senft, A. W.; and Gibler, W. B., 1977, Am. J. Trop. Med. and Hyg., v. 26 (6, part 1), 1169-1177
Schistosoma mansoni, scanning electron microscopy of tegumental appendages following thiocarbohydrazide-osmium preparation presenting a composite view of normal topography

Tegument
Starling, J. A., 1975, Tr. Am. Micr. Soc., v. 94 (4), 508-523
Hymenolepis diminuta and Moniliformis dubius, tegumental hexose transport, compared to glucose transport of other tapeworms and mucosal brush border of the vertebrate intestine, correlation between mechanisms of membrane transport and biochemical environment of absorptive surfaces

Tegument
Surgan, M. H.; and Roberts, L. S., 1976, J. Parasitol., v. 62 (1), 78-86
Hymenolepis diminuta, H. microstoma, bile salts, adsorption to tegument, do not enter worms

Tegument
Threadgold, L. T., 1976, Exper. Parasitol., v. 39 (1), 119-134
Fasciola hepatica, glycocalyx of tegument, more precise definition of morphology and chemistry using histochemical tests and controls combined with specific enzyme digestions and fine structural studies, variations depending on environment immediately prior to fixation and also on fixation and postfixation treatment

Tegument
Threadgold, L. T.; and Befus, A. D., 1977, Exper. Parasitol., v. 43 (1), 169-179
Hymenolepis diminuta, ultrastructural localization of immunoglobulins and complement component 3 on worm tegument

Tegument
Threadgold, L. T.; and Hopkins, C. A., 1977, Parasitology, v. 75 (2), xix [Abstract]
Schistocephalus solidus plerocercoid, ultrastructural and experimental studies of uptake of macromolecules and ions demonstrate occurrence of pinocytosis

Tegument
Tkachuck, R. D.; Weinstein, P. P.; and Mueller, J. F., 1976, J. Parasitol., v. 62 (1), 94-101
Spirometra mansonoides spargana, uptake of vitamin B_{12}, functional groups of B_{12} analogs affecting uptake; Hymenolepis diminuta, no uptake of vitamin B_{12}, none detected in the worm

Tegument
Torpier, G.; Capron, M.; and Capron, A., 1977, J. Ultrastructure Research, v. 61 (3), 309-324
Schistosoma mansoni, cercaria and schistosomula supramolecular structure of tegumental outer membrane, structural changes during developmental stages

Tegument
Trimble, J. J. III; and Lumsden, R. D., 1975, J. Parasitol., v. 61 (4), 665-676
Taenia crassiceps, cysticercus, presence of tegument surface glycocalyx, cytochemical characterization of membrane-associated carbohydrates, comparison with adult tapeworms

Tegument
Ubelaker, J. E.; Specian, R. D.; and Allison, V. F., 1974, Proc. 32. Ann. Meet. Electron Microsc. Soc. America (St. Louis, Missouri, Aug. 13-15), 182-183
trematode tegument, scanning electron microscopy

Tegument
Wheater, P. R.; and Wilson, R. A., 1976, Parasitology, v. 72 (1), 99-109
Schistosoma mansoni, tegument, histochemistry, main components are neutral glycoprotein and phospholipid, differentiation from other schistosome tissues on the basis of marker enzymes

Tegument
Wilson, R. A.; and Barnes, P. E., 1977, Parasitology, v. 74 (1), 61-71
Schistosoma mansoni tegument, formation and turnover of membranocalyx, possible significance in evasion of immune response

Tegument
Wilson, R. A.; and Barnes, P. E., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 289-290 [Demonstration]
schistosome tegument, multilaminate structure composed of normal trilaminate plasmamembrane over which lies a trilaminate secretion (membranocalyx), suggests that secreted membranocalyx functions as part of mechanism by which worm evades host immune response

Tegument
Wittrock, D. D., 1976, J. Parasitol., v. 62 (5), 834-836
Quinqueserialis quinqueserialis, cirrus tegument, ultrastructure, histochemical tests suggest major component is glycoprotein

Tegument
Yamane, Y.; Seki, R.; and Okada, N., 1976, Yonago Acta Med., v. 20 (2), 55-65
diphyllobothriid cestodes, surface topography of teguments (with special reference to genital atrium and microtriches) and eggshells, scanning electron microscopy

Tegument
Young, S. W.; Hagashi, G.; and Kamel, R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 437 [Demonstration]
Schistosoma mansoni from 2 patients with chronic salmonellosis, tegumental colonization of schistosomes by Salmonella paratyphi A

Temperature. [See also Climate; Freezing; Overwintering; Weather]

Temperature
Ahluwalia, J. S., 1976, Indian J. Animal Sc., v. 46 (5), 256-267
Cooperia curticei, survival, migration on soil and grass of infective larvae under natural conditions, various meteorological data

Temperature
Ahluwalia, J. S., 1977, Indian J. Animal Sc., v. 45 (8), 1975, 592-593
Cooperia curticei, survival of infective larvae in water, under natural conditions, influence of temperature at different times of the year

Temperature
Ajayi, J. A., 1976, Parasitology, v. 72 (3), 335-343
8 ovine Eimeria spp., effects of temperature and Aureo-S-700 on sporulation, viability, and infectivity of oocysts

Temperature
Anderson, G., 1977, Marine Biol., v. 42 (3), 239-251
Probopyrus pandalicola, energy flow in parasitized and unparasitized laboratory Palaemonetes pugio population, secondary reproduction, metabolism, ingestion and egestion; temperature, season, host age, sex, and reproductive condition,effect on energetics of host-parasite systems

Temperature
Anderson, R. M., 1976, Parasitology, v. 72 (3), 281-305
Caryophyllaeus laticeps, seasonal periodicity in population dynamics, theoretical derivation of mathematical model, comparison of model predictions with observed population data, seasonality shown to be caused by combined effects of temperature-dependent parasite mortality rate and fluctuations in host feeding activity (which controls immigration rate of larval parasites)

Temperature
Anderson, W. I.; Reid, W. M.; and Johnson, J. K., 1976, Poultry Science, v. 55 (4), 1429-1435
Eimeria tenella, chickens, high environmental temperature and humidity elevated body temperatures of host impairing survival and development of some parasites resulting in decreased severity of coccidiosis, impractical as control measure because of problems of timing the heat treatment and raising the temperature in large chicken houses

Temperature
Andrews, C.; and Rojanapaibul, A., 1976, Parasitology, v. 73 (2), xi-xii [Abstract]
Acanthocephalus clavula, seasonal changes in incidence, intensity, and maturation, effect of fish species, temperature thought to be a factor: Llyn Tegid, North Wales

Temperature
Angluster, J.; Bunn, M. M.; and de Souza, W., 1977, J. Parasitol., v. 63 (5), 922-924
Herpetomonas samuelpessoai grown in defined medium, differentiation, influence of 2-deoxy-D-glucose, temperature, and time of cultivation

Temperature
Aoki, Y., 1971, Nettai Igaku (Trop. Med.), v. 13 (1), 7-15
Dirofilaria immitis, dogs (exper.), seasonal distribution of microfilariae in peripheral circulation and effect of temperature on migration from lung capillaries to peripheral circulation

Temperature
Aoki, Y., 1971, Nettai Igaku (Trop. Med.), v. 13 (3), 134-140
Wuchereria bancrofti, Brugia malayi, B. pahangi, demonstration of exsheathing of microfilariae on thick blood film or on agar plate, effects of temperature on exsheathment

Temperature
Aoki, Y., 1971, Nettai Igaku (Trop. Med.), v. 13 (4), 170-179
Wuchereria bancrofti, Brugia pahangi, exsheathing of microfilariae on thick blood film or on agar plate, effects of temperature, salinity, and pH

Temperature
Appleton, C. C., 1977, Internat. J. Parasitol., v. 7 (5), 335-345
influence of temperature on life-cycle and distribution of Biomphalaria pfeifferi in south-eastern Africa

Temperature
Asanji, M. F.; and Williams, M. O., 1975, Ztschr. Parasitenk., v. 47 (2), 151-163
trematode metacercarial excystment, enzymes, various non-enzymic media, temperature, pH, osmotic pressure, oxidation-reduction potential, ox bile as factors

Temperature
Azimov, D. A.; et al., 1976, Dokl. Akad. Nauk UzSSR (8), 53-54
Stephanofilaria stilesi, bovine, ecology, seasonal distribution, intermediate hosts and their daily activity in relation to temperature: southern Uzbekistan

Temperature
Badie, A., 1975, Ann. Recherches Vet., v. 6 (3), 259-264
Dicrocoelium lanceolatum metacercaria, annual activity cycle of parasitized ants, numbers hooked to vegetation at certain parts of the day, possible relationships to temperature and rainfall, risk of parasitism in sheep flocks, possible basis for control

Temperature
Baird, C. R., 1975, Canad. J. Zool., v. 53 (12), 1788-1798
Cuterebra tenebrosa, laboratory rearing in Neotoma cinerea, egg and larval development: effect of larval photoperiod on incidence of pupal diapause (egg photoperiod had no effect), duration of larval development with evidence as to photoperiod-sensitive stage, sequence of gross morphological changes from puparium formation to eclosion, unsuccessful attempts to terminate pupal diapause via temperature or photoperiod manipulations

Temperature
Barry, D., 1975, J. Protozool., v. 22 (3), 49A [Abstract]
Trypanosoma rhodesiense, "capping" of surface antigens, specific and temperature-dependent movement of variation antigens, capping in some cases is an artefact of the indirect fluorescent method

Temperature
Bertelli, M. S. M.; Golgher, R. R.; and Brener, Z., 1977, J. Parasitol., v. 63 (3), 434-437
Trypanosoma cruzi, 8 strains, intraspecific variation in effect of temperature on intracellular amastigote-trypomastigote differentiation in tissue culture

Temperature
Bhattacharya, A.; and Janovy, J., jr., 1974, J. Protozool., v. 21 (3), 429 [Abstract]
Leishmania donovani, autoradiographic evidence for DNA, RNA, and protein synthesis at elevated temperature

Temperature
Blankespoor, H. D., 1977, Proc. Helminth. Soc. Washington, v. 44 (1), 44-50
Plagiorchis noblei, life cycle studies: egg (infectivity); cercaria (diel periodicity of emergence; seasonal periodicity; temperature effect on longevity and infectivity); metacercaria (infectivity); adults (location in definitive host; longevity; seasonal periodicity)

Temperature
Bordjochki, A.; Savin, Z.; and Sovitsch, M., 1977, Bull. Acad. Vet. France, v. 50 (1), 71-74
Sarcocystis tenella spores, partial or total loss of antigenic properties when heated at various temperatures (60°-90°C), guinea pigs immunized and then tested by complement fixation

Temperature
Brambilla, E.; Galli, L.; and Caprotti, M., 1974, Riv. Parassitol., Roma, v. 35 (4), 237-244
Plasmodium berghei in Mus musculus subject to thermal stress or whole-body irradiation, lower dose of chloroquine is therapeutically effective

Temperature
Branagan, D., 1973, Trop. Animal Health and Prod., v. 5 (3), 153-165
Rhipicephalus appendiculatus, survival and development of all 3 instars under quasi-natural conditions in Kenya

Temperature
Breev, K. A.; and Baratov, Sh. B., 1970, Parazitologiia, Leningrad, v. 4 (3), 241-249
Hypoderma lineatum sinense, incidence and intensity of infection, development in relation to temperature, climatic adaptation, differentiation from typical H. lineatum, yaks: eastern Pamir

Temperature
Brener, Z.; et al., 1976, J. Protozool., v. 23 (1), 147-150
Trypanosoma cruzi in cell culture, strain-dependent thermosensitivity influencing amastigote-to-trypomastigote differentiation, may result from mutational adaptation

Temperature
Bryan, R. P., 1976, Austral. J. Agric. Research, v. 27 (4), 567-574
gastrointestinal nematodes of cattle, effect of Onthophagus gazella in dung pats on numbers of infective larvae under moist climatic conditions, ecological distribution of larvae resulting from dung beetle activity

Temperature
Bull, M.; and Smyth, M., 1973, Austral. J. Zool., v. 21 (1), 103-110
Aponomma hydrosauri, Amblyomma albolimbatum, A. limbatum, abutting allopatric distributions, water balance of nymphs and adults in relation to distribution: South Australia

Temperature
Cabrera, E. J.; Alger, N. E.; and Silverman, P. H., 1973, J. Protozool., v. 20 (3), 449-452
Plasmodium berghei, rats, adoptive immunity transferred by 2 x 10^7 or 2 x 10^8 but not 2 x 10^6 immune spleen cells, spleen cells kept at 47 C for 45 min were no longer able to transfer protection; capacity to transfer adoptive immunity not found in spleen cells from unexposed adult rats capable of age immunity, but found in spleen cells from rats that had suffered very transient parasitemia

Temperature
Capbern, A.; el al., 1977, Exper. Parasitol., v. 43 (1), 1-11
Trypanosoma equiperdum, multiplication in diffusion chambers implanted subcutaneously in the dorsal region of mice, effect of immunosuppressants, of immune serum, of temperature, of acquired immunity

Temperature
Cawthorn, R. J.; and Anderson, R. C., 1976, Canad. J. Zool., v. 54 (4), 442-448
Physaloptera maxillaris larvae in Acheta pennsylvanicus, effects of temperature, age of host, and previous infection on parasite development; resulting infectivity to Mephitis mephitis

Temperature
Cerva, L., 1975, J. Protozool., v. 22 (3), 60A [Abstract]
Naegleria fowleri, N. gruberi, axenic growth in liquid media in relation to temperature of incubation, concentration of culture medium, and size of inoculum, results show N. fowleri may produce dense populations under conditions which could occur in water which may become dangerous source of infection for human primary amebic meningoencephalitis

Temperature
Chappell, L. H.; and Coles, G. C., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 142 [Letter]
Schistosoma mansoni cercariae, reduction in infectivity due to lowered temperature

Temperature
Chhabra, M. B.; and Ruprah, N. S., 1976, Indian Vet. J., v. 53 (3), 180-184
Oestrus ovis larvae, sheep, goats, survey, highest incidence in sheep, pupal period and longevity of adult O. ovis dependent upon temperature and humidity: abattoir at Hissar, Haryana

Temperature
Chhabra, R. C.; and Singh, K. S., 1977, Indian J. Animal Sc., v. 47 (4), 178-184
Spirocerca lupi, third-stage juveniles, morphology, life history, effect of temperature and humidity on development, viability, and infectivity

Temperature
Christensen, N. O.; Nansen, P.; and Frandsen, F., 1976, J. Parasitol., v. 62 (5), 698-701
Fasciola hepatica miracidia, host-finding capacity for Lymnaea truncatula in relation to environmental temperature

Temperature
Chubb, J. C., 1976, Parasitology, v. 73 (2), x [Abstract]
monogeneans of freshwater fishes, seasonal studies in relation to world climatic zones

Temperature
Cloutman, D. G.; and Becker, D. A., 1977, J. Parasitol., v. 63 (2), 372-376
Ergasilus centrarchidarum on Micropterus salmoides and M. punctulatus, some ecological aspects: host specificity; abundance related to host age and sex; seasonal abundance and egg production, optimum temperatures; no evidence of antagonism with other concomitant species of gill parasites: Lake Fort Smith, Crawford County, Arkansas

Temperature
Collins, K. J.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 410-421
Schistosoma mansoni, human (194 cane cutters), physical characteristics and hemoglobin concentration, effect of infection on physiological tests of work performance and heat tolerance under laboratory conditions, findings related to productive output in performing self-paced task under natural working conditions: Guneid, Sudan

Temperature
Conder, G. A.; and Duszynski, D. W., 1977, J. Parasitol., v. 63 (2), 206-209
Eimeria nieschulzi, oocysts exposed to heat and/or Co-60 gamma-radiation, attenuation, reduced pathogenesis, subsequent immunity to challenge, rats

Temperature
Conder, G. A.; and Duszynski, D. W., 1977, J. Protozool., v. 24 (1), 177-181
Eimeria nieschulzi, effects of heat and cobalt-60 gamma-radiation on oocyst structure and sporozoite excystation

Temperature
Cooper, B. J.; and Spence, I., 1976, Nature, London (5579), v. 263, 693-695
Ixodes holocyclus, mice, paralysis produced is due to temperature-dependent inhibition of evoked release of acetylcholine at neuromuscular junction

Temperature
Cottrell, B., 1976, Parasitology, v. 73 (2), xxxiv [Abstract]
Cryptocotyle lingua and Rhipidocotyle johnstonei induced temperature-dependent precipitin response in Pleuronectes platessa; Trypanosoma platessae-infected P. platessa had elevated serum beta-globulin levels, pronounced seasonal variation in numbers of infected fish pointed to temperature-controlled immunity

Temperature
Cottrell, B. J., 1977, J. Fish Biol., v. 11 (1), 35-47
Trypanosoma platessae in Pleuronectes platessa (blood) (nat. and exper.), brief redescription, age of host, seasonal variation may be related to change in ambient temperatures and host immunity levels, host specificity: Looe Bay

Temperature
Cottrell, B., 1977, Parasitology, v. 74 (1), 93-107
Cryptocotyle lingua, Rhipidocotyle johnstonei, metacercariae-infected Pleuronectes platessa, humoral immune response, precipitating antibodies are macroglobulins resembling IgM of mammals, rate and magnitude of antibody production determined by ambient temperature

Temperature
Croll, N. A., 1975, Advances Parasitol., v. 13, 71-122
behavioral analysis of nematode movement, extensive review

Temperature
Cunningham, J. R.; Kunz, S. E.; and Price, M. A., 1976, J. Econom. Entom., v. 69 (2), 161-164
Neoschongastia americana, variations in degradable lesions on turkeys correlated with rainfall and soil temperature, equation for prediction of mite damage

Temperature
Daggett, P. M.; and Decker, J. E., 1974, J. Protozool., v. 21 (3), 429 [Abstract]
comparison of excreted factors of insect trypanosomatids at 25 C vs. 37 C, results indicate secretion products are primarily under parasite not host control

Temperature
Dalgliesh, R. J.; and Stewart, N. P., 1976, Austral. Vet. J., v. 52 (11), 543 [Letter]
Babesia bovis, development of infective forms in unfed Boophilus microplus larvae, various temperature conditions, possible use for vaccine

Temperature
Dalgliesh, R. J.; Swain, A. J.; and Mellors, L. T., 1976, Cryobiology, v. 13 (6), 631-637
frozen Babesia rodhaini, survival, effects of cooling and warming rates and protection by dimethyl sulphoxide

Temperature
Daskalov, P.; and Mutafova, T., 1972, Izvest. Tsentral. Khelmint. Lab., v. 15, 69-80
Haemonchus contortus, effect of ultraviolet and gamma rays and refrigeration on infective larvae of different morphological types of females

Temperature
Davies, R. W.; and Everett, R. P., 1977, Canad. J. Zool., v. 55 (3), 620-627
Nephelopsis obscura, life history, growth and age structure related to seasonal changes, seasonal population movements from deep-water zone to shore zone; no direct correlation between cocoon production and water temperature: Newsome Pond and Jail Pond, Alberta, Canada

Temperature
Dedet, J. P.; and Gaudin, O. G., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 535-536 [Letter]
Leishmania donovani, growth on continuous cell line of Aedes albopictus with progression from promastigote to amastigote at 24 C

Temperature
De Jonckheere, J., 1977, Applied and Environment. Microbiol., v. 33 (4), 751-757
Naegleria fowleri, use of an axenic medium for differentiation between pathogenic and nonpathogenic isolates, data obtained on 102 Naegleria strains during extensive ecological study gave further evidence that thermal polluted waters are the main origin of N. fowleri in the environment

Temperature
De Jonckheere, J.; and Van de Voorde, H., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 10-15
Naegleria fowleri, evidence of proliferation of pathogenic strains in thermally polluted, biologically healthy water; isolates from discharges of thermal polluting factories highly virulent in mice (exper.), more amoeba present in summer than in winter: Belgium

Temperature
Eberhard, M. L.; and Rabalais F. C., 1976, Exper. Parasitol., v. 40 (1), 5-12
Dipetalonema viteae in Meriones unguiculatus, hypo- and hyperthermic stress resulted in increased numbers of microfilariae in peripheral blood, microfilariae do not exhibit cyclic periodicity

Temperature
El-On, J.; and Greenblatt, C. L., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 19-20 [Demonstration]
Trypanosoma lewisi, production of exoantigens during cultivation at 37°C, partial protection against infection in rats injected with concentrated culture supernatant fluid

Temperature
Enigk, K.; et al., 1975, Zentralbl. Vet.-Med., Reihe B, v. 22 (8), 687-702
survival of resistant external stages of parasites during fermentation of liquid cattle manure at high temperatures

Temperature
Esch, G. W.; Johnson, W. C.; and Coggins, J. R., 1975, Proc. Oklahoma Acad. Sc., v. 55, 122-127
Proteocephalus ambloplitis population dynamics, smallmouth bass (Micropterus dolomieui), lake temperature profile and infection rates, host hormones as possible stimulus for parenteric plerocercoid migration; suggested absence of competitive interaction between P. ambloplitis and Leptorhynchoides thecatus, densities of acanthocephalans and tapeworms and number of pyloric ceca present suggested potential space available for attachment not fully exploited: Gull Lake, Kalamazoo County, Michigan

Temperature
Eure, H., 1976, Parasitology, v. 73 (2), 205-212
Proteocephalus ambloplitis, population biology in Micropterus salmoides, seasonal incidence of adults vs. larvae, postulated that decline in water temperature in southern latitudes and increase in water temperature in northern latitudes initiates migration of plerocercoids from parenteric to enteric sites where maturation to adult form ensues: reservoir heated by thermal effluents, ERDA Savannah River Plant near Aiken, South Carolina

Temperature
Eure, H., 1976, Parasitology, v. 73 (3), 355-370
Neoechinorhynchus cylindratus in Micropterus salmoides, seasonal periodicity (attempt to determine effects of water temperature, seasonally related host feeding habits, availability of infected intermediate hosts, host's sex and age, host location within reservoir), attempted analyses of parasite recruitment rate, maturation cycle, and sex ratio: heated reservoir (Par Pond), Energy Research and Development Administration's Savannah River Plant, Aiken, South Carolina

Temperature
Evans, A. A. F.; and Perry, R. N., 1976, Organ. Nematodes (Croll), 383-424
survival strategies in nematodes, review: quiescence with special reference to cryptobiosis; diapause (in unhatched larvae; in larvae outside the egg; in adult stages; induction and termination; morphological and behavioral correlates)

Temperature
Farley, C. A., 1975, J. Protozool., v. 22 (3), 418-427
Minchinia nelsoni in Crassostrea virginica, epizootiologic relationships concerning parasite life cycle, pathologic effects on host, and effects of physical factors: mortality, incidence, seasonal prevalence of progressive disease stages, gross and histopathology, salinity and temperature effects, differences in host susceptibility between native and introduced hosts: Chesapeake Bay, Maryland

Temperature
Fayer, R., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 138-140
Sarcocystis-infected beef obtained at slaughter or from retail food stores, effect of refrigeration, cooking, and freezing on infectivity to dogs, "the potential for transmission of Sarcocystis to humans and their pets by fresh beef clearly exists."

Temperature
Fowler, J. L.; and Reeves, E. L., 1974, J. Protozool., v. 21 (4), 538-542
microsporidan isolate previously considered to represent mixed infection of Nosema necatrix and Thelohania diazoma determined to be one species with spore dimorphism, electrophoretic protein profile of two spore types, temperature effects on ratio of mono- to octospores, recommended that name Nosema necatrix be retained for this isolate

Temperature
Frescura, T.; Polidori, G.A.; and Sarris, C., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 509-512
Toxoplasma gondii, oocysts from cat feces, maintained at room temperature for intervals of up to one year, infective to mice

Temperature
Gemmell, M. A., 1977, Exper. Parasitol., v. 41 (2), 314-328
Taenia spp., Echinococcus granulosus, eggs, hatching characteristics, survival, infectivity of embryos, influence of various factors (different worms, different segments of same worm, moisture, temperature, length of storage, washing), epidemiological implications in regulation of tapeworm populations

Temperature
Ghandour, A. M., 1976, J. Helminth., v. 50 (3), 193-196
Schistosoma mansoni, S. haematobium, cercariae, infectivity in relation to maintenance temperatures, low or high temperatures markedly increased mortality during penetration of host skin, comparison of death of cercariae in skin with adult worm recovery, mice, hamsters

Temperature
Ghosh, D. K.; and Honigberg, B. M., 1976, J. Protozool., v. 23 (2), 20A [Abstract]
Leishmania donovani cultivated at 25 C vs. 37 C, activities of glucose-6-phosphate, 6-phosphogluconate, and isocitrate dehydrogenase

Temperature
Ghosh, D. K.; and Honigberg, B. M., 1976, J. Protozool., v. 23 (3), 450-455
Leishmania donovani cultivated at 25 C vs. 37 C, activities of glucose-6-phosphate, 6-phosphogluconate, and isocitrate dehydrogenases

Temperature
Gibson, T. E.; and Everett, G., 1976, Brit. Vet. J., v. 132 (1), 50-59
Haemonchus contortus, development and survival of free-living stages on pasture studied over period of 3 years, only in July, August, and September were climatic conditions favorable, concluded that climate in Southern England is not ideal for development and survival of preparasitic stages

Temperature
Gillig, C. J. III, 1977, J. Protozool., v. 24 (3), 406-411
Leishmania donovani, adaptation to in vitro cultivation at 37 C

Temperature
Gillig, C. J.; and Honigberg, B. M., 1973, J. Protozool., v. 20 (4), 504
Leishmania donovani, promastigotes, adaptation to cultivation at 37 C., genetic selection rather than dauermodification appears to be responsible for thermal adaptation

Temperature
van der Gulden, W. J. I.; and van Aspert-van Erp, A. J. M., 1976, Exper. Parasitol., v. 39 (1), 40-44
Syphacia muris, egg hatching: effects of 22°C, 37°C, and cysteine on larval motility within closed egg and on subsequent hatching; effects of temperature, cysteine, and trypsin on permeability of water through eggshell; effect of water on opening of operculum

Temperature
van der Gulden, W. J. I.; and van Aspert-van Erp, A. J. M., 1976, Exper. Parasitol., v. 39 (1), 45-50
Syphacia muris, effect of external stimuli on egg hatching (enzymes of intestinal tract, temperature, pH, pCO_2, redox potential), results indicate hatching mechanism of oxyurids identical to that of various nematodes which hatch in intestinal tract but dependent on environment to appreciably lesser extent

Temperature
Gupta, R. P., 1976, Indian J. Animal Sc., v. 45 (2), 1975, 66-70
Dictyocaulus viviparus, techniques to culture, store and test infectivity of larvae, storage at various temperatures; infectivity declined as storage time progressed

Temperature
Gysin, J.; and Le Corroller, Y., 1976, J. Parasitol., v. 62 (5), 697
Schistosoma mansoni, total absence of adult parasites in mice previously subjected to thermal stress, cercariae did penetrate but it appears that inflammatory reaction blocked development

Temperature
Haas, W., 1976, Ztschr. Parasitenk., v. 49 (1), 63-72
Schistosoma mansoni cercariae, attachment response, stimulated by temperature rise, reactions to animal substance in substrate (human, swine, fish, frog, snail, cercariae)

Temperature
Harmsen, R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 364-373
Trypanosoma brucei, low survival rate in Glossina pallidipes interpreted as in part result of establishment barrier which is less active in young vs. older flies, peritrophic membrane appears unlikely to be establishment barrier, postulated adjustment period for trypanosomes in flies supported by evidence on temperature sensitivity of parasite enzymes

Temperature
Harry, O. G., 1973, J. Protozool., v. 20 (4), 526
4 species of gregarines in Tenebrio molitor, incidence, effect of seasonal changes in temperature and humidity on infection: British Isles

Temperature
Hawking, F., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 672-675
Trypanosoma brucei, attempted culture at human blood temperature (37 C) in presence of tissue cultures, survival and multiplication for 24 hours with diminishing numbers up to 10 days

Temperature
Hazen, T. C.; and Esch, G. W., 1977, Am. Midland Nat., v. 98 (1), 213-219
Crepidostomum cooperi and Plagioporus sp. in Hyalella azteca, relationship of parasite density to host age, water temperature, and host densities: Gull Lake, Kalamazoo Co., Michigan

Temperature
Hodasi, J. K. M., 1976, Ztschr. Parasitenk., v. 48 (3-4), 281-286
Fasciola hepatica, vectors, Lymnaea truncatula, uninfected, maintained at low temperature (5°C) three months, returned to normal laboratory temperature, mature snails reduced in growth and reproduction, young snails increased in longevity and reproduction; under England field conditions young snails apparently maintain population

Temperature
Hoffman, G. L.; and Markiw, M. E., 1977, J. Fish Biol., v. 10 (2), 181-183
Myxosoma cerebralis, control of whirling disease, determination of minimum heat necessary to kill spores as demonstrated presumptively by staining with methylene blue

Temperature
Holbrook, T. W.; and Stauber, L. A., 1973, J. Protozool., v. 20 (3), 431-436
Leishmania donovani in chick embryos, effect of number of injected amastigotes on course of infection, differential behavior of several geographic strains, failure of promastigote-induced infection, infectivity of embryo-derived parasites for hamsters

Temperature
Howell, F. G., 1976, J. Med. Entom., v. 13 (1), 99-106
Argas cooleyi, behavior responses to directed and undirected light, daily light cycle, effect of low temperature

Temperature
Hsu, C. K.; and Levine, N. D., 1977, Am. J. Vet. Research, v. 38 (8), 1115-1119
Haemonchus contortus, Trichostrongylus colubriformis, development of infective larvae under cyclic vs. constant conditions of temperature and humidity, degree-day concept appears to be applicable

Temperature
Hysek, J.; Kalafa, S.; and Zizka, Z., 1976, Arch. Protistenk., v. 118 (4), 341-345
Trypanosoma rotatorium (blood), successful experimental transmission from Rana esculenta and R. temporaria (poikilothermic) to white laboratory mice (homiothermic), pathogenicity, fatal infection; comparative morphology in frogs and mice

Temperature
Imai, J., 1972, Nettai Igaku (Trop. Med.), v. 14 (3), 111-123
Paragonimus westermani, biochemical analysis of antigens, effects of heat, protein and carbohydrate content; reactions to agar-gel diffusion, complement fixation and electrophoresis

Temperature
Impand, P., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 288 [Demonstration]
E[chinostoma] malayanum eggs, hatching ability decreased by lowered temperatures

Temperature
Inderbitzin, F.; and Eckert, J., 1976, Ztschr. Parasitenk., v. 50 (2), 218
Dictyocaulus viviparus, calves infected with larvae previously maintained at 4°C, induced inhibited development

Temperature
Iqbal, Q. J., 1975, Biologia, Lahore, v. 21 (2), 181-184
Nosopsyllus fasciatus, mating temporarily inhibited by chilling below 20° C, results suggest that either cooling destroyed attractiveness of the mating pheromone on female cuticle or an intermediate process (neuroendocrine) in production of a transient pheromone is switched off

Temperature
Ishikawa, H., 1977, Comp. Biochem. and Physiol., v. 56 (3B), 229-234
several protostomes (including Ascaris lumbricoides and Fasciola hepatica), ribosomal RNA's, thermal stability and molecular integrity, evolutionary implications

Temperature
Ismailov, T., 1976, Dokl. Akad. Nauk UzSSR (9), 65-66
Parascaris equorum, effect of humidity and temperature on embryogenesis under field conditions in Uzbekistan; metamorphosis from April to October, anabiosis from November to March

Temperature
Iwamoto, I., 1972, Nettai Igaku (Trop. Med.), v. 14 (3), 124-137
Dirofilaria immitis, Wuchereria bancrofti, in vitro survival in various media, effects of temperature; D. immitis survival in dogs (exper.), periodicity, migration and localization

Temperature
Janovy, J., jr.; Greiner, E. C.; and Decker, J. E., 1974, J. Protozool., v. 21 (3), 430 [Abstract]
Leishmania donovani vs. L. mexicana, anaerobic glycolysis and CO_2 fixation over the range 25-37 C, effect of pentostam vs. stibophen

Temperature
Kalkan, A., 1976, Etlik Vet. Bakteriyol. Enst. Dergisi, v. 4 (5-10), 1974-1976, 11-37
Dicrocoelium dendriticum in Formica rufibarbis, abnormal host behavior in the evening when the temperature decreases, crawling to top of plants: South Marmara Region, Turkey

Temperature
Khalil, G. M.; and Shanbaky, N. M., 1976, Exper. Parasitol., v. 39 (3), 431-437
Argas arboreus, field-collected vs. laboratory-reared F_1 and F_2 females, diapause incidence (% diapause females) and intensity (duration of preoviposition period), effect of constant 26, 30, 34, or 37 C temperatures, results suggest that laboratory rearing caused increased sensitivity of diapause females to high temperature

Temperature
Khan, R. A., 1976, Canad. J. Zool., v. 54 (11), 1840-1849
Trypanosoma murmanensis in cod and leech Johanssonia sp., life cycle more rapid at higher temperatures

Temperature
Killick-Kendrick, R., 1973, Ann. Trop. Med. and Parasitol., v. 67 (3), 261-277
Plasmodium berghei nigeriensis subsp. nov., life cycle, sporogony, effect of high and low temperatures on sporogony, infectivity of sporozoites, primary exoerythrocytic schizogony, blood stages; zoogeography; comparison with P. b. berghei, P. b. yoelii, and P. b. killicki

Temperature
Ko, R. C., 1976, Canad. J. Zool., v. 54 (4), 597-609
Echinocephalus sinensis, seasonal variation in incidence and intensity in Crassostrea gigas, seasonal variation in infectivity to exper. mammal hosts possibly dependent upon ambient temperature, pathology in mammals, implications for possible human infection from eating poorly cooked oysters: Hong Kong

Temperature
Kuttler, K. L.; and Todorovic, R. A., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 106-112
Anaplasma marginale, cattle, premunization, Gloxazone and Imidocarb superior to oxytetracycline in moderating premunizing infection, possible factors affecting success (age of host; virulence, size, and potency of premunizing inoculum; strain or size of challenge exposure; temperature and altitude)

Temperature
Lawson, J. R., 1977, Parasitology, v. 75 (2), xi-xii [Abstract]
Schistosoma mansoni cercariae, survival in relation to environmental temperature, activity pattern, infectivity, glycogen content

Temperature
Leaney, A. J., 1977, Parasitology, v. 75 (2), xxviii-xxix [Abstract]
Leishmania mexicana amazonensis in Lutzomyia longipalpis (exper.) maintained at 3 different temperatures (22, 24, and 28 °C.), distribution of parasites and degree of infection at 24h intervals from 2 to 8 days after infective feed compared, appears that small changes in temperature may have marked effect on development and behavior of Leishmania in sandflies and therefore on transmission

Temperature
Le Jambre, L. F.; and Whitlock, J. H., 1976, Parasitology, v. 73 (2), 223-238
Haemonchus contortus cayugensis (New York State), Haemonchus contortus contortus (Ohio), vulvar phenotypes and hatch rate of eggs over a range of temperatures

Temperature
Levin, N. A., 1977, Zhurnal Obshch. Biol., v. 38 (4), 621-626
Cimex lectularius, responses to smell stimuli in relation to various environmental factors (temperature, light, atmospheric pressure, strong mechanical influence)

Temperature
Lightner, L. K., 1975, J. Parasitol., v. 61 (5), 972-973
Schistosoma douthitti, mice, effect of heat-stress and cold-stress on worm burden

Temperature
Lightner, L. K., 1977, Iowa State J. Research, v. 52 (1), 5-7
Schistosoma mansoni, mice (exper.), effects of environmental heat stress, results indicate that mice subjected to hot temperatures are less suitable hosts for schistosomes than mice maintained at normal room temperatures

Temperature
Long, P. L., 1973, Folia Vet. Latina, v. 3 (1), 89-109
Eimeria tenella, Eimeria mivati, growth in developing chick embryos and cultured cells, incubation temperature and route of inoculation, testing of anticoccidials, serial passage in embryos, review

Temperature
Lorentzen, G.; and Halvorsen, O., 1976, Norwegian J. Zool., v. 24 (4), 461 [Abstract]
Elaphostrongylus rangiferi free living first stage larvae, overwintering, temperature tolerance; this stage not likely to be a factor limiting success of parasite: north Norway

Temperature
Loseva, T. G., 1973, Inform. Biul. Inst. Biol. Vnutren. Vod, Akad. Nauk SSSR (19), 47-50
Dactylogyrus spp. in Blicca bjoerkna (exper.), effect of temperature on development

Temperature
Love, J. N.; McEwen, E. G.; and Rubin, R. M., 1976, Am. J. Vet. Research, v. 37 (7), 857-858
infectivity of cryogenically preserved Anaplasma marginale-infected erythrocytes which were thawed and then maintained for periods from 2 to 96 hours and 5 to 19 days at 25 C., calves

Temperature
McDougall, A. C.; and Salter, D. C., 1977, J. Invest. Dermat., v. 68 (1), 16-22
human cutaneous leishmaniasis, possible use of thermography in differentiating skin lesions

Temperature
Machel, M.; and Krynski, S., 1976, Ztschr. Ang. Zool., v. 63 (3), 299-305
lice maintained in laboratory since 1918, constant conditions for 30 years, comparison with 30 years earlier: larval stage shortened, temperature range for development reduced, body weight and amount of blood taken increased

Temperature
McKenna, P. B., 1973, Research Vet. Sc., v. 14 (3), 312-316
Haemonchus contortus, two morphologically and geographically distinct strains, effect of storage at 5 or 21 C for varying intervals on infectivity and parasitic development of third-stage larvae in sheep, evidence that small proportion of infective larvae may be innately 'inhibition-prone' and that effect of season on host or ageing of infective larvae or both may be contributory to changes in level of inhibition

Temperature
Maddox, J. V., 1973, Misc. Publication Entom. Soc. Am., v. 9 (2), 99-104
persistence of Microsporida, resistance of spores to environmental conditions, transmission and dispersal, host range and infectivity, effect of temperature on development

Temperature
Maddox, J. V., 1977, Misc. Publication Entom. Soc. Am., v. 10 (3), 3-18
Nosema necatrix, N. trichoplusiae, viability of spores, effects of sunlight, temperature, water or humidity, substrate or chemicals; potential stability as biological control agents against insect pests

Temperature
Manaia, A. da C.; and Roitman, I., 1971, Rev. Microbiol., S. Paulo, v. 2 (4), 177-179
Crithidia fasciculata, inhibition of growth by ethidium bromide; more effective at 32°C than 28°C; adenine neutralized the action of ethidium

Temperature
Mandarini-Galli, L.; Brambilla, E.; and Sacchi, L., 1974, Riv. Parassitol., Roma, v. 35 (4), 253-260
Plasmodium gallinaceum, chicks, course of infection (parasitemia, symptomatology, mortality) varies with ambient temperature

Temperature
Mansfield, M. E.; Todd, K. S., jr.; and Levine, N. D., 1977, Am. J. Vet. Research, v. 38 (6), 803-806
Haemonchus contortus larvae, effects of various temperatures and storage conditions on developmental arrest in lambs (exper.)

Temperature
Mark, D. L., 1975, J. Parasitol., v. 61 (3), 484-488
Ancylostoma caninum, infective larvae, survival on outdoor bluegrass plots in 40 experiments over 1 year

Temperature
Markov, G. S.; and Mozgovoi, A. A., 1969, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 20, 91-96
low level of helminth infection in Vipera berus influenced by temperature, humidity and pecularities of its geographic distribution and biotic origin

Temperature
Mason, P. R.; and Fripp, P. J., 1976, J. Parasitol., v. 62 (5), 721-727
Schistosoma mansoni, miracidial movement in relation to age, temperature, pH, light intensity, light shock, and snail-conditioned water, dark-ground photographic technique

Temperature
Mason, P. R.; and Fripp, P. J., 1977, J. Parasitol., v. 63 (2), 240-244
Schistosoma mansoni miracidia, reactions to artificial light at room temperature and at 15 C, "choice-chamber" experiments correlated with direct observations and darkground photography

Temperature
Mathur, S. C., 1976, Indian Vet. J., v. 53 (5), 331-336
parasitaemia and pathogenicity of 3 strains of Trypanosoma evansi maintained at various temperatures (4°C, 28°C, 35°C), mice

Temperature
Mello, M. N.; and Deane, M. P., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 381-388
Trypanosoma cruzi 4 strains, patterns of development in embryonated chicken egg, effect of temperature

Temperature
Michel, J. F.; Lancaster, M. B.; and Hong, C., 1974, J. Comp. Path., v. 84 (4), 539-554
Ostertagia ostertagi, Cooperia oncophora, evidence that arrested development is due to action of environmental factors, nature of environmental signals not precisely identified but not simple, changes which they induce in larvae are spontaneously reversed after a time

Temperature
Michel, J. F.; Lancaster, M. B.; and Hong, C., 1975, J. Comp. Path., v. 85 (1), 133-138
Ostertagia ostertagi, Cooperia oncophora, arrested development, effect of temperature at free-living 3rd stage, larvae stored at 4° C. compared with storage at 15° C. and with a change of temperature after 12 weeks

Temperature
Michel, J. F.; Lancaster, M. B.; and Hong, C., 1976, J. Comp. Path., v. 86 (4), 615-619
Ostertagia ostertagi, development arrested by cold storage, calves infected repeatedly, rate of resumed larval development, worm burden

Temperature
Mills, C. A., 1976, Parasitology, v. 73 (2), vi-vii [Abstract]
Transversotrema patialense, survival and fecundity on Brachydanio rerio (exper.), age-dependent but not density-dependent, temperature optimum at 23°C., survival reduced on small hosts, growth in size of adult fluke

Temperature
Misra, S. C.; and Ruprah, N. S., 1974, Indian Vet. J., v. 51 (2), 147-148
Haemonchus larvae, survival on 2 pastures under changing temperature and relative humidity: India

Temperature
Mitterer, K.-E., 1975, Ztschr. Parasitenk., v. 47 (1), 35-43
Fasciola hepatica, egg hatching, CO_2 concentration, pH, light and darkness, temperature

Temperature
Miyata, A., 1975, Nettai Igaku (Trop. Med.), v. 17 (2), 55-64
Trichomonas vaginalis, 5 strains, effects of time and temperature on preservation with glycerol or dimethyl sulfoxide, survival rate after freezing and thawing procedure

Temperature
Mock, D. E.; and Matthysse, J. G., 1977, J. Kansas Entom. Soc., v. 50 (4), 518 [Abstract]
Bovicola bovis, study of ambient conditions of temperature and humidity within a heavily parasitized cow's hair coat

Temperature
Mohandas, A., 1974, Proc. National Acad. Sc. India, Sect. B, v. 44 (3), 139-144
cercariae, factors influencing emergence, behavior and viability

Temperature
Monteoliva Hernandez, M., 1973, Rev. Iber. Parasitol., v. 33 (4), 599-606
Ascaris, motility studies in vitro, motility longer with glucose than when fasting; longer at 25° C than at 37° C; younger worms more active than mature ones

Temperature
Motomura, I., 1967, Nettai Igaku (Trop. Med.), v. 9 (4), 201-225
Toxoplasma gondii, mice (exper.), survival comparisons of Beverley and RH strains under various physico-chemical conditions (osmotic pressure, pH, temperature, moisture, irradiation)

Temperature
Moyou, R.; Forestier, M. F.; and Pautrizel, R., 1977, J. Protozool., v. 24 (4), 62A [Abstract]
Plasmodium berghei berghei, P. b. anka, mice maintained at 35°C. vs. 20-22°C., differences in development of infection and reinfection

Temperature
Mullin, S. W.; and Dondero, T. J., jr., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 91 [Demonstration]
Brugia malayi, infectivity successfully maintained when stored up to 12 hours at 4°C

Temperature
Muraleedharan, K.; et al., 1976, Mysore J. Agric. Sc., v. 10 (1), 105-117
prevalence and incidence of Schistosoma nasale in cattle and buffaloes, disease dependent upon host age and sex, number of infected snail intermediate hosts, temperature, and rainfall: Karnataka State (Dhanayakanapura, Bangalore District; Hunchipura, Mandya District)

Temperature
Murua, R., 1975, J. Helminth., v. 49 (4), 293-296
Nematospiroides dubius larvae, hatching time, rate of development to third stage, optimum hatching and development temperature

Temperature
Nakabayashi, T.; et al., 1967, Nettai Igaku (Trop. Med.), v. 9 (2), 111-125
Toxoplasma gondii, mice (exper.), survival of parasites at refrigerating and cold storage room temperatures of slaughterhouse

Temperature
Nasir, P., 1973, Riv. Parassitol., Roma, v. 34 (3), 169-180
cercarial biology: developmental anomalies; emergence in relation to light, host starvation, temperature, rough handling of host or changed environment, and number of parthenitae within snails

Temperature
Nizami, W. A.; Siddiqi, A. H.; and Yusufi, A. N. K., 1975, J. Helminth., v. 49 (4), 281-287
comparison of alkaline phosphatase systems in 8 species of digenetic trematodes from different hosts and/or habitats, enzyme activity, pH and temperature optima, effect of chemicals

Temperature
Norval, R. A. I., 1975, J. Parasitol., v. 61 (4), 737-742
Amblyomma marmoreum, ecology: habitat preference, seasonal activity, seasonal occurrence on hosts, life cycle in laboratory correlated with field observations, temperature dependence of feeding time, effects of host seasonal behavior: Paardekraal Farm, Kowie River Valley, 15 km SE of Grahamstown, Eastern Cape Province, South Africa

Temperature
Norval, R. A. I., 1977, J. Parasitol., v. 63 (4), 734-739
Amblyomma hebraeum, distribution of larvae in relation to vegetation and microclimate, seasonal activity of all stages in relation to macroclimate, life cycle normally of 3 years duration, adult and nymphal activity correlated with daylength, temperature, and rainfall: Eastern Cape Province, South Africa

Temperature
Norval, R. A. I., 1977, J. Parasitol., v. 63 (4), 740-747
Amblyomma hebraeum, survival and rate of development in relation to temperature and humidity under laboratory and field conditions, longevity of unfed ticks, ecological implications of results

Temperature
Nowell, F., 1976, Parasitology, v. 73 (2), xxxi [Abstract]
Babesia rodhaini, parasitaemia regression in mice held at high ambient temperatures, later recrudescence in some mice on return to normal temperatures

Temperature
Nwosu, A. B. C., 1977, Bull. Animal Health and Prod. Africa, v. 25 (1), 73-78
Ancylostoma tubaeformae third-stage larvae, changes in lipid content, activity rate, and penetrability with time and at various temperatures, evaluation of infectivity using these parameters

Temperature
Ollerenshaw, C. B., 1973, Ann. Fac. Med. Vet. Torino, v. 20, Suppl., 83-121
Fasciola hepatica, ecological factors contributing to epidemiology in Britain, speculations for Italy, need for field investigations

Temperature
Olson, R. E., 1975, J. Protozool., v. 22 (3), 29A [Abstract]
Parophrys vetulus were exper. infected with Glugea stephani by feeding on Artemia salini and Corophium spinicorne that had been allowed to ingest spores, temperature found to be of critical importance in establishment and development of G. stephani

Temperature
Olson, R. E., 1976, J. Protozool., v. 23 (1), 158-164
Glugea stephani in Parophrys vetulus, incidence and intensity of infection in different months, field and laboratory infections only occurred at temperatures above 15 C, successful transmission by Artemia salina or Corophium spinicorne vectors as well as direct ingestion of spores, heavy infections are potentially lethal: upper Yaquina Bay estuary, Oregon

Temperature
Otieno, L. H., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 856-869
Trypanosoma brucei, effect of irradiation or cyclophosphamide on course of infection in heat-stressed mice, reduced pathogenic effects in spite of elevated parasitemia, tempting to suggest that direct effect of temperature on trypanosomes was responsible for lowered pathogenicity, many bizarre morphological forms

Temperature
Paperna, I.; and Zwerner, D. E., 1976, Canad. J. Zool., v. 54 (4), 449-462
Ergasilus labracis, distribution, seasonal abundance, host age, life cycle, developmental stages (free-living and on Morone saxatilis), laboratory studies on egg development, hatching, naupliar survival, and adult female survival; effects of temperature and salinity: lower Chesapeake Bay

Temperature
Patrick, C. D.; and Hair, J. A., 1975, J. Med. Entom., v. 12 (3), 393-394
Dermacentor albipictus, studies in field conditions, two different habitats, March 1973-May 1974, oviposition, incubation time, comments on taxonomic status and relationship to D. nigrolineatus: eastern Oklahoma

Temperature
Pautrizel, A. N.; et al., 1977, Compt. Rend. Acad. Sc., Paris, v. 284, s. D (21), 2187-2190
Trypanosoma equiperdum, influence of ambient temperature on development in mice, depends on individual and strain of host, hyperthermia may stimulate host defense mechanisms

Temperature
Perkins, F. O.; Zwerner, D. E.; and Dias, R. K., 1975, J. Parasitol., v. 61 (5), 944-949
Urosporidium spisuli sp. n., hyperparasite of anisakids (pseudocoel) in surf clams, no potential health hazard from ingesting clams since they are temperature treated during commercial processing: vicinity Chesapeake Light, off Cape Henry, Virginia, N. Atlantic Ocean

Temperature
Petrov, D.; and Gecheva, G., 1975, Vet. Med. Nauk., v. 12 (8), 25-32
Argas persicus, optimal temperatures for development 22-38° C, direct transformation of second stage nymphs to adults under favorable conditions, adult females laying eggs for first time have higher potential fertility than those having passed through several gonotrophic cycles, biological cycle continues throughout year in optimal conditions, adult engorges about 30 mg of blood at each feeding

Temperature
Pfefferkorn, E. R.; and Pfefferkorn, L. C., 1976, Exper. Parasitol., v. 39 (3), 365-376
Toxoplasma gondii, chemical mutagenesis, selection of temperature-sensitive mutants, less virulent for mice than wild type RH strain

Temperature
Pfeiffer, H., 1976, Wien. Tierarztl. Monatsschr., v. 63 (2), 54-55
Dictyocaulus viviparus, cattle, inhibition of development greater in animals experimentally infected with larvae maintained at 7° C during all or most of development than with larvae matured quickly at 25° C; dosing with anthelmintics during prepatent period may increase rate of inhibition

Temperature
Pitchford, R. J.; and Du Toit, J. F., 1976, Ann. Trop. Med. and Parasitol., v. 70 (2), 181-187
Schistosoma intercalatum, S. leiperi, S. margrebowiei, shedding patterns and outdoor conditions affecting them, comparisons with S. haematobium

Temperature
Plasota, K., 1969, Acta Parasitol. Polon., v. 16 (1-19), 1968-1969, 47-60
helminths of frogs, comparison of aquatic and terrestrial hosts, relation of parasite fauna to environment, food supplies and food habits, host life cycle, temperature, rainfall, season, age and sex of host, competition between species of parasite, localization within host: Kampinos National Park, Poland

Temperature
Pospisil, V. F.; and Greco, V., 1977, Biologia, Bratislava, v. 32 (11), s. B, Zool. (4), 861-867
Haematopinus suis, larvae and adults, influence of different temperatures, optimal range 31.6-32.4°C

Temperature
Prah, S. K.; and James, C., 1977, J. Helminth., v. 51 (1), 73-85
Schistosoma mansoni, S. haematobium, influence of temperature, ultraviolet radiation, and aging on survival and infectivity of miracidia, profound effect but unlikely to be of importance in transmission in the field

Temperature
Rachford, F. W., 1976, Exper. Parasitol., v. 39 (3), 393-400
Angiostrongylus cantonensis-infected Lymnaea palustris vs. non-infected controls, oxygen uptake at 25, 30, and 35 C over 34-day periods

Temperature
Raibaut, A.; Ben Hassine, O. K.; and Prunus, G., [1976], Bull. Soc. Zool. France, v. 100 (4), 1975, 427-437
Ergasilus nanus, Mugil cephalus (gills), infestation dependent upon water temperature and salinity, parasite number increases with host size: lake Ischkeul, Tunisia

Temperature
Rainis, K. G.; and Buttrey, B. W., 1976, J. Protozool., v. 23 (2), 12A [Abstract]
Tritrichomonas augusta, formation of pseudocysts in relation to temperature

Temperature
Rawson, M. V.; and Rogers, W. A., 1973, J. Wildlife Dis., v. 9 (2), 174-177
Gyrodactylus macrochiri, seasonal abundance on Micropterus salmoides and Lepomis macrochirus in relation to surface water temperature: Walter F. George Reservoir, Alabama

Temperature
Rechav, Y.; and von Maltzahn, H. C., 1977, Ann. Entom. Soc. Am., v. 70 (5), 768-770
Boophilus decoloratus, Rhipicephalus evertsi evertsi, water loss from eggs at various temperatures and relative humidities and correlation between weight loss, hatching, and saturation deficits

Temperature
Reichenbach-Klinke, H. H., 1975, Fisch u. Umwelt (1), 151-153
parasites of fish, control by manipulation of environmental factors (temperature, oxygen, light, pH)

Temperature
Reid, W. M.; et al., 1976, Poultry Science, v. 55 (4), 1436-1441
Eimeria tenella, E. acervulina, chickens, high environmental temperatures, reduction of anticoccidial feed intake, results suggest decreases in feed and anticoccidial intake during heat-stress could seldom cause coccidiosis breaks under field conditions

Temperature
Robertson, A. S.; et al., 1975, J. Med. Entom., v. 12 (5), 525-529
Amblyomma americanum, unfed male and female adults, daily and seasonal behavior in relation to temperature, humidity, and photoperiod in different habitats, behavioral patterns suggest activity regulation by body water content: Cookson Hills State Game Refuge, Cherokee County, Oklahoma

Temperature
Robertson, A. S.; et al., 1975, J. Med. Entom., v. 12 (5), 530-534
Amblyomma americanum, molting behavior of engorged nymphs and larvae in 2 contrasting habitats, effect of environmental conditions on molting time and post-molt activity: Cherokee Co., Oklahoma

Temperature
Rodriguez, P. H., 1975, J. Med. Entom., v. 12 (4), 447-450
Brugia pahangi, developing larvae in 3 susceptible strains of Aedes aegypti, decrease in susceptibility in high temperature stress

Temperature
Roitman, I., 1970, Rev. Microbiol., Sao Paulo, v. 1 (2), 93-94
Crithidia fasciculata, growth factors in culture medium above 33°C, lipid and osmotic requirements

Temperature
Roitman, I.; et al., 1976, J. Protozool., v. 23 (2), 291-293
"Leptomonas pessoai may be regarded as a thermophilic species of Herpetomonas. . .and we suggest that it be designated Herpetomonas samuelpessoai sp. n.", differentiation of original strain and clones from promastigote to opisthomastigote faster at high temperature and in defined medium

Temperature
Roitman, I.; et al., 1977, J. Protozool., v. 24 (4), 553-556
Crithidia hutneri n. sp., C. luciliae thermophila s. sp. n., growth at high temperature in defined medium, nutritional requirements

Temperature
Saliba, E. K.; Sweatman, G. K.; and Kawar, N. S., 1971, J. Med. Entom., v. 8 (1), 73-83
Ornithodoros savignyi, respiration rate and longevity of untreated ticks at different temperatures, effect of ronnel on respiration rate at different temperatures using 3 application methods, statistical analysis, ronnel not practically useful as systemic pesticide against O. savignyi

Temperature
Samish, M., 1977, J. Protozool., v. 24 (4), 67A-68A [Abstract]
Theileria annulata, transmission by Hyalomma excavatum, high temperature and humidity may cause uninfective particles in unfed ticks to change into infective ones

Temperature
Samish, M., 1977, Nature, London (5632), v. 270, 51-52
Theileria annulata, temperature of 37°C and relative humidity of 95% stimulates production of infective parasite forms in infected adult Hyalomma excavatum ticks without the need for a blood meal

Temperature
Saxon, D. J.; and Dunagan, T. T., 1976, Comp. Biochem. and Physiol., v. 55 (3B), 377-380
Macracanthorhynchus hirudinaceus vs. Neoechinorhynchus spp., pentose phosphate pathway enzymes, specific activities at different incubation temperatures, relationship to body temperature of homothermic vs. poikilothermic hosts

Temperature
Schaffert, R.; and Strauch, D., 1976, Berl. u. München. Tierarztl. Wchnschr., v. 89 (20), 399-402
Ascaris suum eggs in municipal sewage and pig slurry, rotating aeration, temperatures above 50° C necessary for egg destruction, pH not significant

Temperature
van der Schalie, H.; and Blankespoor, H., 1977, Biologist, v. 59 (1), 16-24
schistosomiasis and fascioliasis, potential use of solar energy for snail-host control, temperature stress, growth and reproduction of snail

Temperature
Seed, J. R.; and Varney, J. R., 1976, Exper. Parasitol., v. 40 (2), 238-249
Trypanosoma brucei gambiense-infected rabbits, changes in diurnal rhythm of body temperature, preliminary results on diurnal rhythms of water consumption, fecal and urine output, return of normal temperature curve following chemotherapy (hydrocortisone + pentamidine isethionate)

Temperature
Shikhobalova, N. P.; and Korsak-Paruzhinskaia, L. S., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 204-214
Ascaridia galli, Ganguleterakis spumosa, Trichocephalus muris, ionizing radiation of eggs, postradiation effect of high and low temperatures on radiosensitivity as evidenced by development; radiation as possible control of helminths

Temperature
Shiranovich, P. I.; et al., 1977, Izvest. Akad. Nauk Azerbaidzhan. SSR, s. Biol. Nauk (2), 89-95
Siphonaptera of Meriones erythrourus, seasonal distribution, temperature and precipitation in relation to population dynamics of host, incidence of plague and its epizootiology: Transcaucasus

Temperature
Siddiqi, A. H.; and Nizami, W. A., 1975, Ztschr. Parasitenk., v. 47 (4), 263-268
Isoparorchis hypselobagri, swimbladder oxygen content of host, Wallago attu, not influenced by presence or absence of fluke; in vitro oxygen consumption of fluke increased by glucose, decreased by time, optimal temperature 30°C

Temperature
Smales, L. R., 1977, Internat. J. Parasitol., v. 7 (6), 449-456
Labiostrongylus eugenii, life history: embryogenesis, larval development within egg, hatching process, second and third stage larval morphology and development, optimal temperatures

Temperature
Smales, L. R.; and Sommerville, R. I., 1977, Internat. J. Parasitol., v. 7 (3), 205-209
Labiostrongylus eugenii, exsheathment, important components of stimulus were pCO_2, pH, and temperature, similar to trichostrongylids

Temperature
Smith, H. J., 1976, Canad. J. Comp. Med., v. 40 (3), 320-321
mixed Ostertagia ostertagi and Cooperia oncophora larvae in experimentally infected calves, no significant maturation requirement obtained, maximum infectivity possibly related to incubation temperature

Temperature
Soekardono, S.; Ernst, J. V.; and Benz, G. W., 1975, Vet. Parasitol., v. 1 (1), 19-33
Eimeria alabamensis, calves (exper.), prepatent and patent periods, low pathogenicity, description of oocyst, sporulation of oocysts at various temperatures

Temperature
Soleim, Ø., 1976, Norwegian J. Zool., v. 24 (4), 319-323
Thynnascaris adunca from Gadus morhua, comparison of 2 populations, relative age of parasites indicates that cod in warmer Norwegian coastal waters is subject to loss of parasites and re-infection more often than colder Barents Sea cod

Temperature
Sommerville, R. I.; and Davey, K. G., 1976, Internat. J. Parasitol., v. 6 (5), 433-439
Anisakis sp. larva, cuticle formation and ecdysis in vitro, development restarted by physico-chemical stimuli (effect of different media, carbon dioxide, storage, temperature), feeding does not occur until after moulting

Temperature
Stankiewicz, M., 1969, Acta Parasitol. Polon., v. 17 (1-19), 39-46
Strongyloides papillosus larvae, sheep and rabbit strains, responses to light of various intensities, desiccation and temperature; pattern of migration from water by dense group of larvae; reaction to various chemicals; destruction by fungi; no differences between strains

Temperature
Suenaga, O., 1972, Nettai Igaku (Trop. Med.), v. 14 (1), 32-40
development of Dirofilaria immitis larvae in potential mosquito vectors, effects of temperature and season

Temperature
Sukhapesna, V.; et al., 1975, J. Med. Entom., v. 12 (3), 391-392
Gasterophilus intestinalis, temperature, embryonic development and egg hatchability; longer viability of eggs at lower temperatures

Temperature
Sweatman, G. K.; Tomey, G.; and Katul, G., 1976, Internat. J. Parasitol., v. 6 (4), 299-305
Hyalomma dromedarii, techniques for simultaneous and continuous recording by telemetry of (1) the feeding electrogram of the tick engorging on a free-ranging heifer and (2) the temperature of the tick at the site of attachment

Temperature
Theron, A.; Pointier, J. P.; and Combes, C., 1977, Ann. Parasitol., v. 52 (4), 421-433
Schistosoma mansoni, factors affecting cercarial concentration (rhythm of presence) in sites of transmission: rhythm of emission, numbers of Biomphalaria glabrata parasitized, temperature, rate of current: Guadeloupe

Temperature
Thomas, R. J.; Waller, P. J.; and Cottrill, B. R., 1975, Research Vet. Sc., v. 19 (1), 113-114
Haemonchus contortus larvae used as source of antigen, decrease in antigenic potency following storage for 2 months at 5°C, no such decline in larvae killed by freezing and stored at -15°C, suggested that loss of potency with ageing may be partly responsible for increased worm populations in sheep in spring

Temperature
Todd, K. S., jr.; Levine, N. D.; and Boatman, P. A., 1976, Am. J. Vet. Research, v. 37 (8), 991-992
Haemonchus contortus, free-living stages, survival in sheep fecal pellets, various constant temperatures

Temperature
Todd, K. S., jr.; Levine, N. D.; and Boatman, P. A., 1976, J. Parasitol., v. 62 (2), 247-249
Haemonchus contortus, survival of desiccated and undesiccated infective larvae at various constant temperatures

Temperature
Tomanek, J.; and Sedlacek, M., 1975, Acta Vet. Brno, v. 44 (1-2), 123-129
Dictyocaulus filaria larvae, X-irradiation, radiosensitivity, larval concentration, fecal contamination, temperature, salinity, aeration

Temperature
Tribouley, J.; et al., 1977, Ann. Parasitol., v. 52 (6), 629-636
Schistosoma mansoni, effect of ambient temperature on development in mice, hyperthermia causes decrease in numbers of parasites present

Temperature
Tripathi, J. C., 1977, Indian J. Animal Sc., v. 47 (11), 739-742
Haemonchus contortus, effect of different temperatures on infective larvae in water and in faecal medium; desiccation of infective larvae in diffused light and sunlight compared

Temperature
Tsvetkova, A.; Iankov, N.; and Dorevska, K., 1975, Vet. Med. Nauk., v. 12 (10), 83-87
Trichomonas gallinarum, T. tenax, culture and isolation on Trimed medium, optimum temperatures (38° and 36°)

Temperature
Vanderberg, J. P., 1974, J. Protozool., v. 21 (4), 527-537
Plasmodium spp. sporozoites, motility, locomotion, movement, effects of several factors (parasite species, oocyst vs. salivary gland sporozoites, presence of albumin or globulins, temperature), relationship to infectivity, immunogenicity (circumsporozoite precipitate reaction), and secretory activity

Temperature
Van Peenen, P. F. D.; et al., 1976, J. Parasitol., v. 62 (4), 653-654
hyperendemic focus of scrub typhus, correlation of chigger (Leptotrombidium deliense) abundance with temperature rather than with rainfall: Pescadores Islands, near Taiwan

Temperature
de la Vega, R., 1976, Rev. Cubana Cien. Agric., v. 10 (3), 313-316
Boophilus microplus, mean weight of eggs, light and day of oviposition had no effect, high temperature increased weight

Temperature
Viljoen, J. H., 1969, Onderstepoort J. Vet. Research, v. 36 (2), 233-263
nematodes of sheep, epizootiology: seasonal incidence and worm burden in relation to temperature and rainfall at three sites, availability of live infective larvae on pasture, drenching recommendations: the Karroo

Temperature
Virat, M.; and Peloille, M., 1977, Ann. Recherches Vet., v. 8 (1), 51-58
predatory activity of fungus Arthrobotrys oligospora against larvae of Haemonchus contortus, optimal temperatures, larval density

Temperature
Wagner, K. P.; and Krassner, S. M., 1976, Exper. Parasitol., v. 39 (2), 222-233
Leishmania tarentolae promastigotes, replica-plating techniques, isolation of stable mutant strains resistant to chloramphenicol, isolation of cell lines stress-adapted to streptomycin and to high culture temperatures, factors influencing resistance, mode of action of chloramphenicol (inhibition of protein synthesis and proline oxidation)

Temperature
Walker, R. W., 1977, Parasitology, v. 75 (2), xxii-xxiii [Abstract]
Hymenolepis diminuta, schistocephalus solidus, relationship between temperature change and mitochondrial ATPase activity

Temperature
Weilgama, D. J.; Jayasekara, M. U.; and Hussain, M., 1975, Ceylon Vet. J., v. 23 (3-4), 49-53
Babesia bigemina, B. argentina, Anaplasma centrale, A. marginale, three breeds of cattle (Ayrshire, Friesian and Shorthorn), haematological changes including parasitaemia and temperature reactions following premunisation with blood from infected cattle: Sri Lanka, imported from New Zealand

Temperature
Wessenberg, H., 1974, Perspect. Biol. and Med., v. 17 (2), 250-266
Entamoeba histolytica, possible role of heat stress in amoebic invasion of host tissues

Temperature
Whitfield, P. J.; Anderson, R. M.; and Bundy, D. A. P., 1977, Parasitology, v. 75 (1), 9-30
Transversotrema patialense, cercarial behavior, activity patterns, age and temperature dependence, speed and duration, neural control and energetic significance

Temperature
Wilkinson, P. R., 1971, Acarologia, v. 12 (3), 492-508
Boophilus microplus, factors affecting distribution in RTS (reputed tick scarcity) areas as compared to tick infested areas in surrounding districts: Australia

Temperature
Williams, J. C.; and Bilkovich, F. R., 1973, Am. J. Vet. Research, v. 34 (10), 1337-1344
Ostertagia ostertagi, distribution of infective larvae on pasture herbage, rainfall and temperature: Louisiana

Temperature
Wilson, G. G.; and Sohi, S. S., 1977, Canad. J. Zool., v. 55 (4), 713-717
Nosema disstriae-infected and non-infected Malacosoma disstria hemocytes, continuous cultures, temperature effects on growth and viability

Temperature
Wilson, G. I.; Blachut, K.; and Roberts, I. H., 1977, Research Vet. Sc., v. 22 (3), 292-297
Psoroptes ovis, infectivity to sheep introduced into naturally contaminated enclosures after periods of vacancy (under conditions in southwestern United States), recommended time lapse before contaminated animal enclosures can be used by clean sheep; experimental transfer of mites to sheep following periods of off-host storage at various temperatures, mite survival rate

Temperature
Wilson, R. A.; and Draskau, T., 1976, Parasitology, v. 72 (3), 245-257
Fasciola hepatica in Lymnaea truncatula, stimulation of daughter redia production by host starvation or by low or high temperature shocks, no evidence that presence of daughter rediae coincides with suppression of cercarial production

Temperature
Wood, S. F., 1976, Prensa Med. Argent., v. 63 (16), 462-469
Trypanosoma cruzi, environmental changing temperature as influence and regulator of life cycle in both vertebrate and invertebrate hosts

Temperature
Wright, A. C.; and Levy, C. K., 1974, J. Protozool., v. 21 (3), 424 [Abstract]
Eimeria falciformis, experiments to determine the extent to which age of unsporulated oocysts affects their responses to ^{60}Co gamma irradiation, possible effect of prior cold storage upon results

Temperature
Yamaguchi, E.; and Nakabayashi, T., 1976, Nettai Igaku (Trop. Med.), v. 18 (1), 45-48
Plasmodium gallinaceum, influence of temperature and carbon dioxide on exflagellation in vitro

Temperature
Yousif, F.; and Laemmler, G., 1975, Ztschr. Parasitenk., v. 47 (3), 191-201
Angiostrongylus cantonensis, factors influencing infectivity of first stage larvae to Biomphalaria glabrata, size of snails, number of larvae, age of larvae, individual or mass exposure, length of exposure, temperature, light

Tennessee. See United States, Tennessee.

Teratisms. See Anomalies.

Teratology. See Anomalies.

Terminology
Audy, J. R.; Radovsky, F. J.; and Vercammen-Grandjean, P. H., 1972, J. Med. Entom., v. 9 (6), 487-494
neosomy: radical intrastadial metamorphosis in arthropods, definitions, examples, association with parasitic existence, evolutionary significance, review

Terminology
Bozhkov, D., 1976, Ang. Parasitol., v. 17 (2), 85-88
helminths, postcycle parasitism, biological significance, definition, brief theoretical review

Terminology
Fain, A., 1970, Acarologia, v. 12 (2), 313-325
Ereynetidae, idiosomal chaetotaxy, new nomenclature proposed

Terminology
Odening, K., 1976, Advances Parasitol., v. 14, 1-93
conception and terminology of hosts in parasitology, extensive review: common host concept in ecology and parasitology; ecological and epidemiological aspects relating to host concept in parasitology; hosts as categories of suitability for certain parasites; host categories of the parasite life cycle; conclusions

Testis. See Gonads.

Texas. See United States, Texas.

Textbooks. See Acarology, Manuals and textbooks; Entomology, Manuals and textbooks; Helminthology, Manuals and textbooks; Microbiology, Manuals and textbooks; Parasitology, Manuals and textbooks; Pathology, Manuals and textbooks; Pharmacology, Manuals and textbooks; Protozoology, Manuals and textbooks; Technique, Manuals and textbooks; Tropical diseases, Manuals and textbooks; Veterinary Science, Manuals and textbooks.

Thailand
Harinasuta, C.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (4), 601-621
human intestinal parasites discovered during survey of socio-economic, health and nutritional status of villagers in Nong Wai irrigation area, Khon Kaen, Thailand (Giardia lamblia; Necator americanus; Taenia sp.; Entamoeba coli; Strongyloides stercoralis; Enterobius vermicularis; Trichomonas hominis; Opisthorchis viverrini; Phaneropsolus bonnei; Entamoeba histolytica cyst; Echinostoma sp.)

Thailand
Harinasuta, T.; and Chindanond, D., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 153 [Demonstration]
prevalence survey for human intestinal parasites in slum areas of Bangkok, Thailand (E[nterobius] vermicularis; A[scaris] lumbricoides; G[iardia] lamblia)

Thailand
Harinasuta, T.; Gilles, H. M.; and Sandosham, A. A. [Editors], 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (4), 641-678
human malaria in southeast Asia, scientific group meeting with discussion on: epidemiology, clinical features, pathophysiology, genetic factors, immunology, diagnosis, chemotherapy, control measures

Thailand
Papasarathorn, T.; et al., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (1), 82-92
epidemiologic survey of human hookworm infection and incidence of other intestinal parasites: Soong Nern District, Korat Province (Entamoeba histolytica; E. coli; Endolimax nana; Iodamoeba butschlii; Chilomastix mesnili; Giardia lamblia; Ascaris lumbricoides; Enterobius vermicularis; Trichuris trichiura; hookworm; Strongyloides stercoralis; Taenia spp.; Hymenolepis nana; H. diminuta; Opisthorchis viverrini)

Thailand
Sornmani, S., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 149-154
Schistosoma japonicum, statistical review of status of human schistosomiasis in Laos, Thailand and Malaysia

Thyroid. See Glands, Host.

Tick paralysis. See Part 5, Parasites: Arthropoda and Miscellaneous phyla.

Tissue culture. See Culture.

Togo
Ricciardi, M. L., 1974, Riv. Parassitol., Roma, v. 35 (2), 113-118
human intestinal parasites: southern Togo (Entamoeba histolytica; E. coli; Endolimax nana; Jodamoeba buetschlii; Chilomastix mesnili; Trichomonas intestinalis; Giardia intestinalis; Balantidium coli; Schistosoma mansoni; Hymenolepis nana; H. diminuta; Ascaris lumbricoides; Trichuris trichiura; Necator americanus; Strongyloides stercoralis; S. fuelleborni)

Tongue. [See also Mouth]

Tongue
Navarrete, F.; et al., 1974, Bol. Med. Hosp. Inf., v. 31 (1), 101-104
Taenia solium cysticercosis, young child, tongue, surgical removal, histopathology: Mexico

Tongue
Pupkin, J.; Apt, W.; and Rivera, H., 1967, Bol. Chileno Parasitol., v. 22 (2), 66-68
Cysticercus cellulosae, localization on tongue of pregnant woman, history of eating undercooked pork, case report: Chile

Toxicity
Ahluwalia, S. S., 1972, Indian J. Animal Sc., v. 42 (12), 1054-1056
Schistosoma incognitum, pigs (exper.), antimony potassium tartrate, antimony sodium tartrate, drugs unsuitable for treatment, antimony sodium tartrate most toxic

Toxicity
Alvarez, E.; et al., 1977, Gac. Vet., Buenos Aires (317), v. 39, 18-22
gastro-intestinal parasites, cows, cutaneous application of levamisole, slight dermal inflammation without other symptoms, milk production not affected

Toxicity
Amann, R. P.; et al., 1977, J. Am. Vet. Med. Ass., v. 170 (7), 730-732
cambendazole, stallions, did not affect reproductive function

Toxicity
Anderson, J.; and Fuglsang, H., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (5), 710-717
Onchocerca volvulus, human, effects of 3% diethylcarbamazine eye drops on microfilariae in cornea and anterior chamber, numbers reduced but not eliminated and reinvasion occurred soon after treatment stopped, some severe reactions particularly in heavily infected subjects: Cameroon

Toxicity
Anderson, J.; Fuglsang, H.; and Marshall, T. F. de C., 1976, Tropenmed. u. Parasitol., v. 27 (3), 279-296
Onchocerca volvulus, human eye lesions, trials with suramin alone or followed by course of diethylcarbamazine, value of therapy varied with type of eye lesions, severe toxic reactions (2 fatalities) in some persons treated with suramin: north Cameroon

Toxicity
Anwer, M. S.; et al., 1976, Research Vet. Sc., v. 20 (2), 127-130
plasma bile acid elevation following carbon tetrachloride-induced liver damage in dogs, sheep, calves, ponies

Toxicity
Apt, W., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 65-68
Toxoplasma gondii, criteria for treating humans with pyrimethamine and sulfa drugs, pharmacologic action, treatment of toxic side effects with folinic acid, recommendation for prophylactic treatment of newborn infants exposed to infection

Toxicity
Apt, W.; et al., 1972, Bol. Chileno Parasitol., v. 27 (3-4), 80-87
Trypanosoma cruzi, mice (exper.), Lampit, effect of drug analyzed by parasitemia, survival rate and histological alterations of the animals

Toxicity
Arzneimittel-Forsch., v. 26 (4a), 1976, 595-678
sulfamoxole in combination with trimethoprim, multiple articles testing pharmacological properties, efficacy in parasitic and bacterial infections and possible toxicity

Toxicity
Baker, B. B.; et al., 1976, J. Am. Vet. Med. Ass., v. 168 (12), 1105-1107
Demodex canis, dogs, topical application of Ronnel, toxicity

Toxicity
Bassily, S.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 312 [Letter]
conjunctivitis and pellagra-like rash associated with niridazole (Ambilhar) treatment

Toxicity
Bassily, S.; et al., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (1), 88-89 [Letter]
Schistosoma mansoni in humans resulting in diffuse schistosomal polyposis, frequent toxic nervous system reactions during treatment with niridazole compared with persons with schistosomal infections without polyposis

Toxicity
Beat, V. B.; and Morgan, D. P., 1977, J. Am. Vet. Med. Ass., v. 170 (8), 812-814
evaluation of hazards to veterinarians using pour-on organophosphate insecticides, symptoms and clinical values monitored; no great risk, but safe-handling procedures required

Toxicity
Beesley, W. N., 1977, Vet. Parasitol., v. 3 (3), 251-257
Hypoderma, cattle, toxic effects of treatment including discussion of whether these are due to death of migrating larvae or insecticide poisoning or both, importance of developing national scheme to eradicate cattle grubs in Britian

Toxicity
Bello, T. R.; and Torbert, B. J., 1972, Am. J. Vet. Research, v. 33 (2), 329-334
anthelmintic (Shell SD 15803), pony foals, toxicity at excessive dosages

Toxicity
Bergstrom, R. C.; and Jolley, W. R., 1977, Vet. Med. and Small Animal Clin., v. 72 (6), 1052-1053
Eimeria spp., sheep, monensin, toxicity at certain dosage levels, appears to be of little value as therapeutic agent but results suggest that it may be effective as a prophylactic coccidiostat or coccidiocide

Toxicity
Bertrand, E.; et al., 1973, Medecine Trop., v. 33 (4), 385-390
arsobal treatment of human African trypanosomiasis resulting in arsenical encephalitis, case reports, medical treatment

Toxicity
Binns, C. W., 1976, Papua N. Guinea Med. J., v. 19 (2), 105-107
paraquat applied to beard and scalp by native New Guinean as cure for lice resulted in severe toxic reaction and death, case history: Papua New Guinea

Toxicity
Blas, B. L., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (2), 348-350
Schistosoma japonicum, humans, field trials with ambilhar as therapy and as egg suppressant for mass therapy, mixed results with some severe toxicity, further trials recommended: Leyte, Philippines

Toxicity
Bomb, B. S.; and Bedi, H. K., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 358 [Letter]
ascariasis, 12-year-old girl treated with piperazine citrate at dosage recommended by manufacturer, neurotoxic side effects

Toxicity
Bomb, B. S.; Bedi, H. K.; and Bhatnagar, L. K., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 523
malaria, woman treated with chloroquine with resulting mental confusion and psychosis after 1 dose: India

Toxicity
Bos, P., 1967, Ceskoslov. Pediat., v. 22 (9), 857-858
Oxyuris vermicularis, drug reaction and coma in child taking behavior modification drugs and then treated for oxyuriasis with helmirazin, clinical case report: Czechoslovakia

Toxicity
Bradley, R. E., 1976, J. Am. Vet. Med. Ass., v. 169 (3), 311-316
Dirofilaria immitis, dogs (nat. and exper.), thiacetarsamide sodium to destroy adult worms, levamisole resinate 6 weeks later at dosage of 11 mg/kg (but not 5.5 mg/kg) was effective as a microfilaricide, 2 cases of levamisole toxicosis in presence of adult worms; incidental observation on greater susceptibility of older dogs to infection

Toxicity
Bradley, W. G.; Karlsson, I. J.; and Rassol, C. G., 1977, Brit. Med. J. (6087), v. 2, 610-611
peripheral neuropathy resulting from prolonged metronidazole therapy with high dosages, recovery after drug discontinued

Toxicity
Brown, F. G., 1977, Vet. Parasitol., v. 3 (3), 265-270
Hypoderma, cattle, toxicological hazards in eradication programs: organophosphorus poisoning, reaction to destruction of larvae, allergic reactions, abortion

Toxicity
Buck, W. B.; Osweiler, G. D.; and Van Gelder, G. A., 1976, Clinical and diagnostic veterinary toxicology, 2. ed., 380 pp., illus.
phenothiazine, toxicity, mode of action

Toxicity
Bueding, E.; Batzinger, R.; and Petterson, G., 1976, Experientia, v. 32 (5), 604-606
Schistosoma mansoni, S. japonicum, various strains in mice, 4-isothiocyanato-4'-nitrodiphenylamine (C9333-Go/CGP4540), antischistosomal activity increased by reducing particle size, susceptibility varies with age of parasite, hepatic shift after oral administration of curative dose, mutagenic potential of low order

Toxicity
Bulay, O.; et al., 1977, J. National Cancer Inst., v. 59 (6), 1625-1630
Schistosoma mansoni, mice and hamsters (exper.), niridazole, carcinogenicity in infected and noninfected animals, results indicated that schistosome infection had no apparent influence on tumor incidence

Toxicity
Butler, J. B. M., 1968, Med. J. Australia, v. 1 (16), 676
case report of severe allergic reaction, woman receiving prophylactic dose of piperazine for possible helminthic infections

Toxicity
Champagne, D., 1975, Medecine Trop., v. 35 (1), 31-40
cardiotoxicity of chloroquine in humans and exper. animals, clinical symptoms, therapy

Toxicity
Chapman, H. D., 1976, Vet. Parasitol., v. 2 (2), 187-196
Eimeria tenella Houghton strain, chickens, monensin and lasalocid unable to completely control infection at 125 ppm, control achieved at higher levels but monensin was toxic, resistance could not be developed to either drug after 12 serial passages, however serial passage in presence of monensin resulted in increase in pathogenicity

Toxicity
Christiansen, F. T.; et al., 1977, Lancet, London (8021), v. 1, 1111-1112 [Letter]
2 reports of febrile illness associated with levamisole therapy

Toxicity
Clark, R. G.; and Lewis, K. H. C., 1977, N. Zealand Vet. J., v. 25 (7), 187-190
thiabendazole overdosage, deaths in sheep

Toxicity
Clive, D.; Flamm, W. G.; and Machesko, M. R., 1972, Mutation Research, v. 14 (2), 262-264
hycanthone used to treat human Schistosoma haematobium and S. mansoni, mutagenicity in mammalian cells

Toxicity
Cockrell, B. Y.; Hall, B. V.; and Simon, J., 1972, Am. J. Vet. Research, v. 33 (4), 687-698
dichlorvos and toluene-dichlorophen, induce changes in ultrastructure of beagle liver parenchymal cells, may reduce efficacy of drugs administered later

Toxicity
Cook, J. A.; et al., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 197-203
Schistosoma mansoni, controlled trials to assess therapeutic value of hycanthone and possible toxic effects: St. Lucia

Toxicity
Cook, J. A.; and Jordan, P., 1974, Egypt. J. Bilharz., v. 1 (2), 197-202
schistosomiasis mansoni, 6-month follow-up of patients living in endemic area who had been treated with a single dose of hycanthone, results show transient gastrointestinal toxic effects, reduced fecal egg excretion, and low re-infection rates: St. Lucia, West Indies

Toxicity
Cook, J. A.; and Jordan, P., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 109-111
Schistosoma mansoni, hycanthone treatment, absence of liver toxicity in 2723 patients: St. Lucia

Toxicity
Cook, J. A.; Jordan, P.; and Armitage, P., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 602-607
clinical trials using hycanthone to treat Schistosoma mansoni-infected patients, standard and 4 lower dosages used in attempt to establish acceptable levels without toxic reactions, differences in cure rate by age groups: St. Lucia, West Indies

Toxicity
Cornwell, R. L.; Jones, R. M.; and Pott, J. M., 1973, Brit. Vet. J., v. 129 (6), 518-525
gastrointestinal nematodes and lungworms, calves (exper.), morantel tartrate, efficacy in 5 controlled trials, toxicity experiments demonstrate wide safety margin

Toxicity
Corrier, D. E.; and Adams, L. G., 1976, Am. J. Vet. Research, v. 37 (7), 811-816
goats, imidocarb diproprionate toxicosis, clinical, histologic, and histochemical study

Toxicity
Coulter, A. W.; Bueding, E.; and Batzinger, R. P., 1977, J. Med. Chem., v. 20 (7), 981-982
schistosomiasis in experimental mice, differences in antischistosomal and mutagenic properties between 4-isothiocyano-4'-nitrodiphenylamine and its isocyano analogue, laboratory testing of structural characteristics

Toxicity
Courtney, C. H.; and Nachreiner, R. F., 1976, Am. J. Vet. Research, v. 37 (9), 1095-1097
4 male dogs given diethylcarbamazine citrate for 6 mos. at twice daily dose recommended for heartworm prophylaxis, no significant deterioration in quantity, morphology, motility, or viability of sperm as compared to 4 unmedicated controls

Toxicity
Czerwinska-Ciechan, K., 1972, Polski Tygod. Lekar., v. 27 (44), 1729-1730
accidental distolon poisoning of young child resulting in myelitis and systemic signs of acute poisoning

Toxicity
Delak, M., 1970, Acta Parasitol. Iugoslavica, v. 1 (1-2), 59-64
fascioliasis, domestic animals, review of drugs used in Yugoslavia and their possible side effects

Toxicity
Delatour, P.; et al., 1976, Compt. Rend. Acad. Sc., Paris, v. 282, s. D, (5), 517-518
parbendazole, mebendazole, cambendazole, teratogenic activity on embryos exper. established in rat and mouse, antimitotic properties demonstrated in vivo and in vitro on mouse tumors, implications for use in animals whose flesh or products (eggs, milk) are consumed by man

Toxicity
Delatour, P.; et al., 1977, Rec. Med. Vet., v. 153 (10), 639-645
oxfendazole, experimental embryotoxicity in rat and sheep, recommended dose for sheep must be strictly observed for ewe at beginning of gestation period

Toxicity
Desowitz, R. S.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 430 [Demonstration]
Dirofilaria immitis-infected dogs treated with diethylcarbamazine, severe drug reaction generally in dogs with high microfilaremia probably result of antigen and antibody combining on surface of serotonin-rich platelets, release of serotonin from damaged platelets having vascular permeability-increasing effect leading to shock

Toxicity
Diallo, J. S.; and Bassabi, S., 1973, Medecine Afrique Noire, v. 20 (11), 923-924
ocular complications resulting from human therapy with antiparasitics, review

Toxicity
Diehl, K.; and Berlinger, R., 1976, Med. Welt., v. 27 (7), 315-319
acute fulminating toxoplasmosis, youth, pyrimethamine-induced megaloblastic anemia, case report: Germany

Toxicity
Dimitrov, G.; and Kanchev, L., 1970, Vet. Med. Rev. (1), 13-16
Fasciola hepatica, sheep, treatment with Bayer 9015 (Bilevon-M) in tablet form administered with forceps, some toxicosis in yearlings subsiding by 5th day, effective control of number of liver fluke eggs found in feces

Toxicity
Diop, B.; and Bao, O., 1974, Medecine Afrique Noire, v. 21 (1), 31-40
human intestinal helminths, clinical indications for treatment, suggested dosage, efficacy, tolerances, possible toxicities

Toxicity
Dobson, K. J., 1977, Austral. Vet. J., v. 53 (3), 115-117
trichlorfon, toxicity in pigs

Toxicity
Dubey, J. P.; Stromberg, P. C.; and Toussant, M. J., 1977, Experientia, v. 33 (9), 1154-1155
Paragonimus kellicotti, cats (exper.), albendazole killed adult flukes and stopped shedding of ova, no clinical signs related to treatment were recognized, may be useful in treating human paragonimiasis

Toxicity
Duewel, D., 1977, Cahiers Bleus Vet. (26), 201-215
fenbendazole, efficacy against nematodes in various animals, useful as broad spectrum anthelmintic, mechanism of action, pharmacokinetics, metabolism, toxicology

Toxicity
Duncan, W. A. M.; and Lemon, P. G., 1974, Cornell Vet., v. 64, Suppl. 4, 97-103
parbendazole given to pregnant rat, majority of fetuses malformed at high dosage but not at lower doses, average weight lower than that of controls

Toxicity
Duncan, W. A. M.; Lemon, P. G.; and Palmer, A. K., 1974, Cornell Vet., v. 64, Suppl. 4, 104-108
parbendazole, pregnant white rabbits, various doses and days of pregnancy, high dosage produced depression in maternal weight gain during dosing, severely affected animals died or aborted litters, incidence of major malformations, minor anomalies and less common skeletal variants unaffected at any dose

Toxicity
Ebisawa, I.; and Muto, T., 1972, Jap. J. Exper. Med., v. 42 (4), 415-417
survey of healthy Laotians employed in endemic vivax malarial area for possible primaquine sensitivity (genetic metabolic deficiency) using methemoglobin reduction test; Japanese similarly tested

Toxicity
El-Sokkary, M. B., 1975, Egypt. J. Bilharz., v. 2 (2), 277-284
investigation of possible toxic effects of hycanthone on contractility and rhythm of frog's heart and site of drug action in attempt to reduce drug toxicity

Toxicity
El-Sokkary, M. B., 1975, Egypt. J. Bilharz., v. 2 (2), 285-293
possible use of soluble sodium salt of prednisolone to reduce depressant effects of hycanthone on heart muscle, laboratory studies with frog heart muscle

Toxicity
El-Sokkary, M. B., 1976, Egypt. J. Bilharz., v. 3 (1), 89-99
dyphylline to reduce depressant effects of hycanthone used to treat intestinal and urinary schistosomiasis, laboratory trials with frog heart

Toxicity
El-Sokkary, M. B., 1976, Egypt. J. Bilharz., v. 3 (1), 101-105
histological study of the effects of hycanthone on the frog's ventricle in the presence of a soluble sodium salt of prednisolone hemisuccinate

Toxicity
Entner, N.; and Grollman, A. P., 1973, J. Protozool., v. 20 (1), 160-163
Entamoeba histolytica, effect of amebicidal agents on protein synthesis, correlation of drug structural characteristics with biologic activity, implications for designing drugs with increased margin of selective toxicity for parasite vs. host

Toxicity
Etribi, A.; et al., 1976, J. Reprod. and Fertility, v. 48 (2), 439-440
antibilharzial drug, Ambilhar, effect on spermatogenesis in guinea-pigs

Toxicity
Fagundes Neto, U.; et al., 1976, Pediat. Prat., S. Paulo, v. 47 (9-10), 9-12
Schistosoma mansoni, hepato-splenic and hepato-intestinal schistosomiasis in children treated with hycanthone, no toxic effects noted in hepatic studies carried out before and after therapy

Toxicity
Fagundes Neto, U.; and Wehba, J., 1976, Pediat. Prat., S. Paulo, v. 47 (3-4), 27-32
[Schistosoma] mansoni in children, studies of hepatic clearance of bromosulfathalene before and after treatment with hycanthone

Toxicity
Farag, H. H.; Youssef, A. F.; and Omran, L. A., 1977, J. Pharm. Sc., v. 66 (3), 423-425
Hymenolepis diminuta, rats, 2-imino-3-[(N-arylcarbamoyl)methyl]-2,3,4,5-tetrahydrothiazoles, activity of some compounds, no clinical toxicity; role of nitro group in anthelmintic activity, possible in vivo drug bioactivation

Toxicity
Farah, A.; et al., 1974, Egypt. J. Bilharz., v. 1 (2), 181-195
hycanthone used to treat human schistosomiasis, study of pharmacodynamics of drug using experimental animals, few toxic effects except in cats

Toxicity
Farid, Z.; et al., 1973, Ann. Trop. Med. and Parasitol., v. 67 (2), 233-236
Schistosoma mansoni, S. haematobium, Egyptian farmers, hycanthone, reduced egg output but poor cure rate, severe vomiting and liver damage

Toxicity
Fisch, H.; Angerhofer, R. A.; and Nelson, J. H., 1977, J. Am. Vet. Med. Ass., v. 171 (3), 269-270
propoxur-impregnated tick and flea collars for dogs, toxicity

Toxicity
Fletcher, K. A.; Canning, M. V.; and Gilles, H. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 111-112 [Demonstration]
primaquine metabolites, analysis of possible effects on human erythrocytes

Toxicity
Foster, R.; and Cheetham, B. L., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (5), 674-684
Schistosoma spp., oxamniquine, activity in rodents and in vitro, comparison with some other schistosomicides, toxicity studies

Toxicity
Foster, R.; Cheetham, B. L.; and King, D. F., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (5), 685-693
Schistosoma spp., oxamniquine (base compound and salt forms), activity in sub-human primates, toxicity studies

Toxicity
Frerichs, W. M., 1977, Am. J. Vet. Research, v. 38 (1), 139-141
imidocarb dipropionate had no deleterious effect on spermatogenesis in pony stallions, hemicastration not a valid technique for assessing effect of drugs on spermatogenesis

Toxicity
Fuglsang, H.; and Anderson, J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 72-73 [Letter]
Onchocerca volvulus in humans, respiratory distress and collapse in several persons receiving diethylcarbamazine as part of mass therapy trials, possible association with unusual presence of microfilariae in circulation: Cameroon

Toxicity
Fuglsang, H.; and Anderson, J., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 534 [Letter]
human onchocerciasis, unsuccessful trials using deseril to alleviate side effects of diethylcarbamazine therapy: Cameroon

Toxicity
Garlick, N. L., 1976, Clin. Toxicol., v. 9 (6), 981-992
Dirofilaria immitis, dogs, drug-induced shock precipitated by microfilariae, proposed hypothesis

Toxicity
Gemmell, M. A.; Johnstone, P. D.; and Oudemans, G., 1977, Research Vet. Sc., v. 22 (3), 389-391
Echinococcus granulosus, Taenia hydatigena, Taenia ovis, dogs (exper.), niclosamide and its piperazine salt, drug trials, good results against T. hydatigena and T. ovis, virtually inactive against immature E. granulosus, mild side effects, administration of milk with piperazine salt of niclosamide decreased drug efficiency against T. hydatigena at low dose rates

Toxicity
Gemmell, M. A.; Johnstone, P. D.; and Oudemans, G., 1977, Research Vet. Sc., v. 22 (3), 391-392
Echinococcus granulosus, Taenia hydatigena, dogs (exper.), micronised nitroscanate, drug trials, good results, suggested that micronisation may increase drug efficiency fourfold without increasing toxic effects

Toxicity
Gerard, J. P., 1976, Bull. Franc. Piscicult. (262), 1-4
masoten treatment of fish parasites, toxicity

Toxicity
Gibson, D. W.; Duke, B. O. L.; and Connor, D. H., 1977, Tropenmed. u. Parasitol., v. 28 (3), 387-405
suramin toxicity in chimpanzee, histopathologic changes occurring when high toxic dose is administered

Toxicity
Gladenko, I. M.; et al., 1975, Veterinariia, Kiev (42), 102-107
R[hipicephalus] bursa, H[yalomma] plumbeum, sheep treated with dip in trolene, sevin or dicresyl, tick control, no effect on sheep

Toxicity
Goldberg, M.; and Gold, D., 1976, Comp. Biochem. and Physiol., v. 54 (2C), 103-107
Fasciola hepatica, rats, hexachlorophene, marked lethal effect on immature and mature flukes but produces toxic effects on host (blood neutrophilia, changes in levels of certain enzymes)

Toxicity
Gras, G.; et al., 1971, Medecine Afrique Noire, v. 18 (12), 921-922
dibutyl lead diacetate, possible toxicity in use as anthelmintic

Toxicity
Green, S.; Sauro, F. M.; and Legator, M. S., 1973, Mutation Research, v. 17 (2), 239-244
hycanthone used to treat human Schistosoma mansoni, administration to rats produced chromosomal abnormalities in bone marrow cells

Toxicity
Haese, W. H.; and Bueding, E., 1976, J. Pharmacol. and Exper. Therap., v. 197 (3), 703-713
Schistosoma mansoni, mice, hycanthone treatment induces hepatocellular carcinomas, micronodular hepatocellular whirling lesions with increased basophilia, precancerous nodules, no such changes induced by IA-4 or oxamniquine

Toxicity
Hall, A. P.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 575-580
Plasmodium falciparum, humans, comparison clinical trials with chloroquine shows amodiaquine toxic and unsuccessful: Thailand

Toxicity
Hancock, N. A.; and Poulter, D. A. L., 1974, Cornell Vet., v. 64, Suppl. 4, 92-96
parbendazole given pregnant sows at various stages of pregnancy, no abnormalities in piglets, no significant effect on incidence of dead or mummified fetuses, number or birth weight of live piglets or on perinatal survival

Toxicity
Hartigan, P. J.; and McGilligan, C. A., 1976, Irish Vet. J., v. 30 (12), 188-189
piperazine citrate, severe neurotoxicity in pituitary dwarf cat being treated for worms

Toxicity
Heischkeil, R., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 505-516
Plasmodium vinckei, chemotherapeutic activity of selected antagonists of folic acid metabolism with special reference to structure-activity relationships, comparison with some standard antimalarials; some compounds also exert noxious effect on host

Toxicity
Ising, E., 1975, Ztschr. Ang. Zool., v. 62 (4), 435-445
Xenopsylla cheopis, Bromophos as systemic insecticide in guinea pig blood, given in feed; low toxicity to mammals

Toxicity
Jeffery, W. H.; et al., 1976, J. Am. Med. Ass., v. 236 (25), 2881-2882
farmer experienced loss of warfarin anticoagulant effects after dusting sheep with mixture of toxaphene and gamma benzene hexachloride

Toxicity
Jordan, F. T. W.; et al., 1976, Avian Path., v. 5 (3), 175-186
clinical and pathological observations on field and experimental zoalene poisoning in broiler chicks caused by overdose, synergistic effect of furazolidone; overdose of zoalene given to laying hens caused inappetence, cessation of egg production, and progressive weakness

Toxicity
Kazmier, F. J., 1976, Mayo Clin. Proc., v. 51 (12), 782-784
trichomoniasis, woman on warfarin anticoagulant therapy, metronidazole treatment of parasitic infection resulted in drug interactions with increased prothrombin times and internal hemorrhaging

Toxicity
Kelada, F. S.; et al., 1972, Metabolism, v. 21 (12), 1105-1112
Schistosoma haematobium-infected patients, effects of vitamin B6 load and 2,3,-dimercaptopropanol (a chelating agent) on functional capacity of tryptophan-niacin pathway before, during, and after tartar emetic treatment, found that 2,3-dimercaptopropanol prevents anomaly in tryptophan metabolism in patients treated with tartar emetic

Toxicity
Khromov-Borisov, N. V.; et al., 1976, Farmakol. i Toksikol., v. 39 (3), 341-346
human malaria, analogues of chloridine, properties of chemical structures and molecular conformation that result in teratogenous reactions, possible synthesis to avoid toxic properties

Toxicity
King, A. B., 1976, J. Am. Vet. Med. Ass., v. 169 (9), 854-856
bunamidine hydrochloride, dogs, recommended dosages (in Canada) are not harmful; reduced instead of increased dosage in cases which fail to respond to treatment

Toxicity
Kingsbury, P. A.; Rees, T. A.; and Piercy, D. W. T., 1977, Vet. Rec., v. 101 (24), 477-479
nematodes, dogs, cats (both nat. and exper.), haloxon, efficacy and safety trials, good results with no significant side effects

Toxicity
Kingston, D. J., 1977, Austral. Vet. J., v. 53 (5), 251-252 [Letter]
monensin sodium and decoquinate, male chickens, delayed maturation of feathers in chickens fed monensin sodium but not when fed decoquinate

Toxicity
Kistner, T. P.; and Wyse, D., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 93-97
nematodes of sheep, injectable levamisole, effective control of abomasal and small intestinal parasites with no evidence of skin damage or gross lesions at injection sites

Toxicity
Klein Mori, J., 1972, Rev. Med. Vet. y Parasitol., Maracay, v. 24 (1-8), 1971-1972, 207-226
gastrointestinal nematodes, sheep, Neguvon, Ripercol, Thibenzoline, comparison, various management systems, all effective, Ripercol easiest to administer, Neguvon somewhat toxic

Toxicity
Kobulej, T.; and Udvarhelyi, J., 1976, Acta Vet., Budapest, v. 26 (3), 335-340
liver flukes, cattle, injectable dertil, good results, no toxicity: Sarfimizdo, Hungary

Toxicity
Kobulej, T.; and Varga, I., 1976, Acta Vet., Budapest, v. 26 (3), 351-355
Echinococcus granulosus, dogs (exper.), droncit, high efficacy, no side effects

Toxicity
Komaroff, A. L.; Cohen, A. B.; and McCue, J., 1976, J. Am. Med. Ass., v. 235 (19), 2081-2082
possible carcinogenicity and mutagenicity of metronidazole, discussion of continued use to treat human trichomoniasis

Toxicity
Kotin, A. M.; and Chebotar, N. A., 1976, Ontogenez, v. 7 (3), 239-245
nucleic acid synthesis in rat embryos with respect to teratogenic effects of the antimalarial drug chloridin

Toxicity
Kuzak, K., 1971, Pediat. Polska, v. 46 (5), 635-637
giardiasis, psychotic disturbance in child after therapy with atebrine, case report: Warsaw, Poland

Toxicity
Lapierre, J.; et al., 1976, Nouv. Presse Med., v. 5 (3), 147-148 [Letter]
Schistosoma mansoni, woman with glucosephosphate dehydrogenase deficiency developed severe hemolytic anemia when treated with niridazole: France (native of Martinique)

Toxicity
Lazarov, V., 1975, Dokl. Sel'skokhoziaistv. Akad. im. Georgiia Dimitrova, v. 8 (3), 101-104
Neguvon, poultry, physiopathology of intoxication

Toxicity
Lee, B.; and Groth, P., 1977, Pediatrics, Am. Acad. Pediat., v. 59 (4), 643 [Letter]
human scabies, reports of nervous system toxicity resulting from therapy with gamma benzene hexachloride

Toxicity
Lee, B.; Groth, P.; and Turner, W., 1976, J. Am. Med. Ass., v. 236 (25), 2846
gamma benzene hexachloride, human case reports of suspected central nervous system toxicity

Toxicity
Legendre, A. M., 1973, J. Am. Vet. Med. Ass., v. 163 (2), 149-150
disophenol toxicosis in a dog treated for hookworm

Toxicity
Lemon, P. G.; and Hancock, N. A., 1974, Cornell Vet., v. 64, Suppl. 4, 77-84
parbendazole, single oral dose given to ewes in early pregnancy was not teratogenic, no adverse effect on conception, number of lambs born per ewe, nor weight of lambs at birth: United Kingdom

Toxicity
Leonard, A.; and Leonard, E. D., 1976, Compt. Rend. Soc. Biol., Paris, v. 170 (4), 916-918
hycanthone, antischistosomal drug, treatment does not produce transmissible chromosome anomalies in male mammalian germ cells of mice

Toxicity
Lowenthal, M. N.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 88 [Letter]
Rhodesian sleeping sickness, nitrofurazone as primary therapy, good results without severe toxic reactions, warrants further careful trials as initial therapy for trypanosomal meningo-encephalitis

Toxicity
Ludke, J. L.; and Locke, L. N., 1976, Avian Dis., v. 20 (3), 607-608
Anas platyrhynchos, mortality after accidental ingestion of DDVP

Toxicity
Magat, A., 1968, Maroc Med. (517), v. 48, 576-584
toxicological complications in use of organophosphorus compounds in veterinary practice, review

Toxicity
Majewski, T.; et al., 1976, Med. Wet., v. 32 (12), 744-746
Solenopotes capillatus, cattle, dichlorfos effective and non-toxic

Toxicity
Makkar, M. S., 1974, Indian J. Animal Research, v. 8 (2), 81-83
effect of nitroxynil on blood pressure and respiration of dogs and pupil size of rabbits; no trypanocidal effect against Trypanosoma evansi in rats

Toxicity
Malinin, O. O.; and Shuliak, V. D., 1975, Veterinariia, Kiev (42), 107-109
R[hipicephalus] bursa, H[yalomma] plumbeum, sheep treated with combination of sevin and trolene, good tick control, no negative effect on sheep (various blood values monitored)

Toxicity
Marchand, A., 1976, Rec. Med. Vet., v. 152 (9), 517-523
anthelmintics, hazards for treated animals and man

Toxicity
Martin, C. L.; Christmas, R.; and Leipold, H. W., 1972, J. Am. Vet. Med. Ass., v. 161 (3), 294-301
disophenol, dogs, formation of temporary cataracts

Toxicity
Meleney, W. P.; and Roberts, I. H., 1975, J. Parasitol., v. 61 (5), 956-959
3 insect juvenile hormone mimics used as sprays for control of Haematopinus eurysternus on cattle resulted in significant reduction of lice and in concomitant severe skin lesions associated with death or incomplete development of Hypoderma sp., therefore unsafe for use on mature cattle harboring both grubs and lice

Toxicity
Michalek, A.; and Vodrazka, J., 1977, Veterinaria, Praha, v. 19 (1-2), 13-27
fascioliasis, lactic dehydrogenase isoenzyme activity in blood of sheep after administration of fasciolicides to measure effect on liver

Toxicity
Middleton, H. D.; et al., 1974, Cornell Vet., v. 64, Suppl 4, 56-58
parbendazole given orally to pregnant ewes at therapeutic dose, no embryonic mortality or teratogenic effect on their lambs; increased dosage produced significant increase of ewes returning to estrus and skeletal abnormalities in their lambs: Australia

Toxicity
Miller, C. R.; Szabo, K. T.; and Scott, G. C., 1974, Cornell Vet., v. 64, Suppl. 4, 85-91
parbendazole given pregnant cows 3 times, different dosages, at various stages of gestation, no abnormalities in calves at birth, no effect on maternal body weight, duration of pregnancy, incidence of abortion or number of calves born

Toxicity
Monsalve, M. V.; et al., 1976, J. Toxicol. and Environment. Health, v. 1 (6), 1023-1026
study of chromosomes of Schistosoma mansoni-infected patients treated with oxamniquine in normal therapeutic doses shows no harmful effects of treatment

Toxicity
Nagel, M. L.; and Summerfelt, R. C., 1977, Progr. Fish Cult., v. 39 (1), 18-23
Pleistophora ovariae in Notemigonus crysoleucas (ovaries), nitrofurazone, efficacy at various drug levels, high levels may inhibit host gonad development: culture ponds adjacent to Lake Carl Blackwell, Oklahoma

Toxicity
Naude, T. W.; Basson, P. A.; and Pienaar, J. G., 1970, Onderstepoort J. Vet. Research, v. 37 (3), 173-184
disorders associated with repeated therapeutic and higher dosages of commonly used babecides in dogs and cattle

Toxicity
Obermeier, J.; and Frohberg, H., 1977, Arch. Toxicol., v. 38 (3), 149-161
praziquantel, mutagenicity studies using Salmonella typhimurium, tissue-, host-, and urine-mediated mutagenicity assays, no mutagenic activity detected

Toxicity
Ogada, T.; Fink, E.; and Mbwabi, D., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 280-281 [Abstract]
Rhodesian sleeping sickness, clinical trials of 98/202 (a diamidine), effective with no toxicity except initial pyrexia

Toxicity
Olowe, S. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 57-59
Trypanosoma gambiense, fatal prenatal infection of infant girl presenting with symptoms of meningitis, attempted suramin therapy probably aggravated additional congenital complication, clinical case review: Nigeria

Toxicity
Ong, T.-M.; et al., 1977, Mutation Research, v. 48 (1), 37-42
furapromidium, induces gene mutations in various test systems presenting a possible mutagenic and carcinogenic hazard to man being treated for schistosomiasis japonica

Toxicity
Opperdoes, F. R.; et al., 1976, Exper. Parasitol., v. 40 (2), 198-205
Trypanosoma brucei brucei, salicylhydroxamic acid (SHAM), inhibition of trypanosomal respiration in vitro, determination of toxicity for rats, determination of plasma levels in rats, no significant therapeutic effect in vivo, discussion of possibility that SHAM could still be trypanocidal if used in conjunction with another inhibitor of glycolysis

Toxicity
Ortiz, E.; et al., 1977, Gac. Vet., Buenos Aires (322), v. 39, 368-377
levamisol, calves, effectivity of new formulation applied percutaneously, good weight gain, parasites reduced, no toxicity

Toxicity
Papua N. Guinea Med. J., v. 17 (1), 1974, 1-115
multiple articles focusing on human malaria in Papua New Guinea (epidemiology, public health, control programs, vectors, diagnosis, toxicity of antimalarials, statistics of surveys)

Toxicity
Pavlova, R. N.; and Getta, G. I., 1976, Sborn. Nauch. Rabot. SibNIVI, Sibirsk. Nauchno-Issled. Vet. Inst. (26), 111-115
chlorophos, dosage requirements in calves, effect on blood chemistry

Toxicity
Pushpendran, C. K.; Shenoy, B. V.; and Eapen, J., 1976, Indian J. Exper. Biol., v. 14 (4), 421-423
carbon tetrachloride toxicity, mice

Toxicity
Ramisz, A.; and Szankowska, Z., 1976, Folia Histochem. et Cytochem., v. 14 (4), 321-326
Trichinella spiralis, mice, administration of paraoxon under the protection of toxobidin (an acetylcholinesterase reactivator), effect on cholinesterases in host skeletal muscles

Toxicity
Rao, V. N.; and Rao, K. N. P., 1977, Livestock Advis., v. 2 (8), 13-15
toxicity of some anthelmintics (carbon tetrachloride, phenothiazine, hexachloroethane, piperazine), preventive measures

Toxicity
Rice, K. C.; et al., 1976, J. Med. Chem., v. 19 (7), 887-892
significant antimalarial activity in benzo[h]quinoline-4-methanols tested in laboratory trials with Plasmodium berghei-infected mice, some phototoxicity also present

Toxicity
Rinehart, J.; Arnold, J.; and Canfield, C. J., 1976, Am. J. Trop. Med. and Hyg., v. 25 (6), 769-774
Plasmodium falciparum, human, WR 122,455, WR 171,669, oral tolerance, toxicity, antimalarial efficacy

Toxicity
Robinson, H. M.; and Samorodin, C. S., 1976, Arch. Dermat., Chicago, v. 112 (12), 1757-1760
Trichuris trichiura, woman, thiabendazole-induced toxic epidermal necrolysis syndrome: Baltimore, Maryland

Toxicity
Robinson, P. T.; and Richter, A. G., 1977, J. Zoo Animal Med., v. 8 (1), 23-26
psittacine and other birds, levamisole phosphate parenterally, toxicity measured; successful treatment of Ascaridia hermaphrodita in Poicephalus robustus robustus: [San Diego Zoo]

Toxicity
Roe, F. J. C., 1977, J. Antimicrob. Chemother., v. 3 (3), 205-212
metronidazole, review of uses and toxicity

Toxicity
Roegge, M. A.; Rutledge, W. P.; and Guest, W. C., 1977, Aquaculture, v. 12 (2), 137-140
Zoothamnium sp. on larval Macrobrachium acanthurus, chemical control: copper sulfate, dylox, methylene blue, terramycin, combiotic, potassium permanganate, Roccal, nitrofurazone, and malachite green showed little control or were toxic to larvae; formalin at 50 ppm gave complete control, and had no ill effects on larvae: aquaculture, Kerr County, Texas

Toxicity
Rosenkranz, H. S., jr.; Speck, W. T.; and Stambaugh, J. E., 1976, Mutation Research, v. 38 (3), 203-205
mutagenic activity of metronidazole and its derivatives, results show possibility of dissociating mutagenic activity from antiparasitic activity

Toxicity
Rougemont, A.; et al., 1976, Bull. World Health Organ., v. 54 (4), 403-410
human onchocerciasis, large-scale mass treatment trials (native villagers over 10 years of age) using oral diethylcarbamazine, advantages and disadvantages of program and follow-up studies: Bamako, Mali

Toxicity
Ruff, M. D.; and Jensen, L. S., 1977, Poultry Science, v. 56 (6), 1956-1959
White Leghorn hens fed anticoccidial monensin, highest dose reduced production, quality and hatchability of eggs, lower doses had no adverse effect

Toxicity
Ryley, J. F.; and Wilson, R. G., 1976, Parasitology, v. 73 (2), 137-148
Eimeria tenella, practical considerations involved in screening drugs in cell culture and in the chicken, analysis for incidence of anticoccidial activity and host cell toxicity based on 11,550 compounds screened in vitro, correlation of activity in vitro and in vivo attempted, results show that screening compounds in vitro is not satisfactory or reliable alternative to screening in chickens, but in vitro studies can play a part in evaluation of active drugs

Toxicity
Saleh, S.; et al., 1976, Pharmacol. Research Commun., v. 8 (4), 359-368
Schistosoma mansoni in mice (exper.), comparative effects of antimonial and non-antimonial schistosomicides on host carbohydrate metabolism; antimonials did not affect metabolism while non-antimonial (niridazole) showed similar effects in host and parasite

Toxicity
Saleh, S.; and Khayyal, M. T., 1976, Bull. World Health Organ., v. 53 (4), 379-384
Schistosoma mansoni-infected mice, effect of cysteine on hepatic toxicity and antischistosomal activity of antimonyl potassium tartrate

Toxicity
Samaan, S. S.; et al., 1976, J. Pharm. and Pharmacol., v. 28 (5), 465-466
action of potassium antimonyl tartrate on brain content of γ-aminobutyric acid and acetylcholine in Schistosoma mansoni-infected mice, possible increased toxic reactions in presence of epilepsy

Toxicity
Saunders, L. Z.; et al., 1974, Cornell Vet., v. 64, Suppl. 4, 7-40
parbendazole, toxicity, malformations in lambs born to ewes which had received twice normal dose during pregnancy; overdose resulting from overestimated animal weight and grossly inaccurate dosing guns is not uncommon in field situations

Toxicity
Schmidt, L. H.; et al., 1977, Antimicrob. Agents and Chemotherapy, v. 12 (1), 51-60
Plasmodium cynomolgi in rhesus monkeys (exper.), comparison of radical curative activities and toxicity of d-primaquine, l-primaquine and primaquine; relevant evaluations show that d-primaquine has therapeutic index at least twice that of primaquine; indications for trials in humans

Toxicity
Schuster, J.; et al., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 487-499
Schistosoma mansoni-infected Mastomys natalensis under treatment with hycanthone, pathophysiological and toxicological aspects of infection, serum enzyme activity, hepatotoxic effect of drug at higher dosages

Toxicity
Scott, D. W., 1977, Feline Pract., v. 7 (3), 47-50
drug eruption in a cat due to a mitecide

Toxicity
Seawright, A. A.; and Costigan, P., 1977, Austral. Vet. J., v. 53 (11), 509-514
dichlorvos flea collars, cats, reduction of blood cholinesterase activity, no overt signs of toxicity occurred

Toxicity
Shahin, M. M.; and Kilbey, B. J., 1974, Mutation Research, v. 26 (3), 193-198
human schistosomiasis, genetic activity of anti-schistosomal agent SQ 18506 and comparison with activity of hycanthone, laboratory trials with yeast cells

Toxicity
Shone, D. K.; Philip, J. R.; and Fricker, J. M., 1974, Cornell Vet., v. 64, Suppl. 4, 69-76
ewes given parbendazole on either day 16 or 22 of pregnancy produced abnormal lambs, no apparent effect on ewe mortality, incidence of abortion, duration of gestation, nor number and weight of lambs born: Republic of South Africa

Toxicity
Sigidin, J. A.; and Bunchuk, N. V., 1977, Lancet, London (8045), v. 2, 980 [Letter]
possible neurologic toxicity resulting from levamisole therapy

Toxicity
Silvestri G., R.; Himes, J. A.; and Edds, G. T., 1975, Am. J. Vet. Research, v. 36 (3), 283-287
sheep (adult Florida Native wethers), effect of oral administration of coumaphos alone or with trichlorfon on erythrocyte acetylcholinesterase and other blood constituents

Toxicity
Silvestri G., R.; Himes, J. A.; and Edds, G. T., 1975, Am. J. Vet. Research, v. 36 (3), 289-292
sheep (ewes and wethers), interaction of coumaphos with trichlorfon, bishydroxycoumarin (an anticoagulant), or phenobarbital sodium (as possible modifier of toxicity), erythrocyte acetylcholinesterase activity and other blood values

Toxicity
Søli, N. E.; et al., 1977, Acta Vet. Scand., v. 18 (3), 408-415
fenchlorphos, toxicity to blue fox, Alopex lagopus, as measured by cholinesterase inhibition, systemic doses well tolerated

Toxicity
Solomon, L. M.; Fahrner, L.; and West, D. P., 1977, Arch. Dermat., Chicago, v. 113 (3), 353-357
possible toxic reactions of gamma benzene hexachloride in humans treated for scabies and in experimental animals, indications and methods currently recommended for use, review

Toxicity
Stanoeva, L. J.; et al., 1972, Makedon. Med. Pregl., v. 27 (5-6), 465-471
scabies, children in pediatric clinic, successful use of benzyl-benzoate and scabin; dermatitis after use of sulfuratum ointment: Macedonia

Toxicity
Stolte, J. B. M., 1976, Nederl. Tijdschr. Geneesk., v. 120 (18), 795-796
Schistosoma haematobium in children, report of 3 deaths resulting from treatment with hycanthone: Zululand, South Africa

Toxicity
Stubbings, D. P.; et al., 1976, Vet. Rec., v. 99 (7), 127-128
pig paralysis resulting from use of haloxon as worming compound, rate of onset and degree of paralysis appears to be dose-related, accurate dose measurement recommended

Toxicity
Suntharasamai, P.; et al., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (4), 556-559
Fasciolopsis buski, humans, comparative clinical trials using niclosamide and tetrachlorethylene; tetrachlorethylene results superior but severity of possible toxic side effects makes niclosamide the drug of choice for severely ill persons and small children

Toxicity
Szabo, K. T.; Miller, C. R.; and Scott, G. C., 1974, Cornell Vet., v. 64, Suppl. 4, 41-55
sheep treated with parbendazole during pregnancy gave birth to significantly greater number of grossly abnormal lambs than controls or thiabendazole-treated sheep: United States

Toxicity
Taffs, L. F., 1975, J. Helminth., v. 49 (3), 173-177
continuous feed medication with thiabendazole for removal of Hymenolepis nana, Syphacia obvelata, and Aspiculuris tetraptera in naturally infected laboratory mice, unexplained deaths among inbred strain C3H/Hef Nimr mice

Toxicity
Taylor, W. M.; Simpson, C. F.; and Martin, F. G., 1972, Am. J. Vet. Research, v. 33 (3), 533-541
toxicity of babesiacide amicarbalide diisethionate, noninfected ponies

Toxicity
Theodorides, V. J.; et al., 1977, Am. J. Vet. Research, v. 38 (6), 809-814
oxibendazole given at several times optimal dose concentrations to mice, rats, dogs, sheep, and cattle, no evidence of toxicologic or teratologic effects

Toxicity
Troncy, P. M.; and Oumate, O., 1973, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 26 (2), 189-198
Strongylidae of zebu, morantel tartrate, efficacy, toxicity: Tchad

Toxicity
Troncy, P. M.; and Vasseau-Martin, N., 1976, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 29 (1), 31-37
Fasciola gigantica, Rafoxanide, zebu cattle, toxic at dose-level of 60 mg/kg and over: Chad

Toxicity
Vakil, B. J.; and Dalal, N. J., 1974, Progr. Drug Research, v. 18, 353-364
Entamoeba histolytica, humans, techniques for comparative evaluation of amoebicidal drugs: sites of action, efficacy, side effects, and toxicity

Toxicity
Vanneste, J. A. L.; et al., 1975, Nederl. Tijdschr. Geneesk., v. 119 (48), 1899-1901
ascariasis, child treated with piperazine showed signs of neurologic toxicity: Netherlands

Toxicity
Vargas, J.; Guerrero, C.; and Rojas, M., 1972, Rev. Invest. Pecuarias, v. 1 (2), 137-144
levamisole, nematodes of alpacas, slight toxicity

Toxicity
Vedy, J.; et al., 1975, Medecine et Armees, v. 3 (10), 851-858
Onchocerca volvulus, human bilateral onchocercal papillitis, clinical management, diagnosis, aggravation of condition with diethylcarbamazine treatment: Tchad

Toxicity
Vedy, J.; and Sirol, J., 1971, Medecine Trop., v. 31 (6), 559-564
youth with sub-acute bilateral edematous papillitis associated with anodular onchocerciasis, macrofilarial treatment with suramin, followed by diethylcarbamazine resulted in degenerative chorioretinopathy probably caused by diethylcarbamazine treatment: Tchad

Toxicity
Verberne, L. R. M.; and Mirck, M. H., 1975, Tijdschr. Diergeneesk., v. 100 (21), 1143-1153
parbendazole, various doses, toxicity to horses and ponies, laxation, anorexia and listlessness; no unfavorable effects on pregnancy or fetal development

Toxicity
Vonderfecht, H. E.; and Mount, M. E., 1977, Vet. Med. and Small Animal Clin., v. 72 (5), 922-924
toxicity in pigs following ingestion of ronnel from a spilled sack

Toxicity
Voogd, C. E.; van der Stel, J. J.; and Jacobs, J. J. J. A. A., 1974, Mutation Research, v. 26 (6), 483-490
possible mutagenic action of metronidazole and nimorazole used to treat human trichomoniasis and dimetridazole and ronidazole used prophylactically against Histomonas meleagridis in poultry

Toxicity
Vyhnalek, J.; Kocman, J.; and Skaloud, J., 1976, Vet. Med., Praha, v. 49, v. 21 (7), 427-433
Fasciola hepatica, cattle and sheep, field trials, Nilzan and Dovenix effective, no side effects

Toxicity
Waalkes, T. P.; and Makulu, D. R., 1976, National Cancer Inst. Monograph (43), 171-177
Pneumocystis carinii pneumonia in humans, pharmacologic aspects of pentamidine, possible serious renal toxicity in immunodepressed patients, probable inhibition of dihydrofolate reductase in all tissues

Toxicity
Walzer, P. D.; et al., 1976, National Cancer Inst. Monograph (43), 55-63
Pneumocystis carinii pneumonia, analysis of 194 confirmed cases in United States over 3-year period, diagnosis by biopsy or needle aspiration of lung, pentamidine therapy effective but frequently caused impaired renal function when given in conjunction with nephrotoxic agents, occurrence almost exclusively in immunosuppressed host with serious underlying disease

Toxicity
Williams, J. C.; et al., 1977, Vet. Rec., v. 101 (24), 484-486
Ostertagia ostertagi, cattle, albendazole, good results against inhibited fourth stage larvae as well as developing stages and adults, high efficacy against Haemonchus and Cooperia spp., no signs of toxicity

Toxicity
Williams, J. F.; Dade, A. W.; and Benne, R., 1976, J. Am. Vet. Med. Ass., v. 169 (12), 1307-1309
sheep, ataxia and posterior paralysis following haloxon treatment

Toxicity
Williams, J. F.; and Keahey, K. K., 1976, J. Am. Vet. Med. Ass., v. 168 (8), 689-691
bunamidine hydrochloride, sudden death associated with treatment of three dogs for tapeworm, case reports

Toxicity
Wranicz, A.; and Czernielewski, A., 1974, Przegl. Dermat., v. 41 (5), 693-696
scabies, woman, erythematous-bullous skin eruptions at sites of novoscabin treatment of infested skin, possible toxic reaction to therapy, clinical case report: Poland

Toxicity
Young, R. C.; and DeVita, V. T., jr., 1976, National Cancer Inst. Monograph (43), 193-200
Pneumocystis carinii pneumonia in humans, randomized clinical trial comparing relative merits of pentamidine isethionate and pyrimethamine + sulfadiazine in treatment, comparative toxicity

Toxicity
Younger, R. L.; et al., 1975, J. Med. Entom., v. 12 (5), 517-524
Hypoderma, cattle yearlings treated topically with 5 juvenile hormone analogues, development of enlarged warbles with accumulated exudate, isolation of alpha hemolytic streptococci, no definitive changes in serum chemistry or haematological values, no acute toxic effects

Toxicity
Zaldivar, R.; et al., 1972, Rev. Invest. Pecuarias, v. 1 (2), 185-194
Parbendazole, carbon tetrachloride, Delnav, sheep, compatible, non-toxic

Toxicity
Zaman, V.; and Lal, M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 610 [Letter]
Wuchereria bancrofti, human, treatment with levamisole, severe reaction in one of two patients probably similar to pattern seen with diethylcarbamazine

Toxicity
Zymet, C. L., 1977, Vet. Med. and Small Animal Clin., v. 72 (12), 1848-1852
Dirofilaria immitis, dog, shock syndrome resulting from administration of diethylcarbamazine citrate, case history, tentative diagnosis of Addisonian crisis

Toxins
Beesley, W. N., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 567-572
Hypoderma lineatum, H. bovis, guinea-pigs, rabbits, calves, anaphylactoid shock following implantation with first instar larvae or injection either with mid-gut fluid from first instar larvae or with hemolymph from third instar larvae

Toxins
Cooper, B. J.; and Spence, I., 1976, Nature, London (5579), v. 263, 693-695
Ixodes holocyclus, mice, paralysis produced is due to temperature-dependent inhibition of evoked release of acetylcholine at neuromuscular junction

Toxins
Foris, G., 1976, Acta Microbiol. Acad. Scient. Hungar., v. 23 (3), 271-276
Trypanosoma equiperdum in endotoxin-treated and non-treated rats, relationships of total dose of serially administered endotoxin, number of treatments, body weight of rats and germ count of inoculum to length of lag phase of trypanosomal growth

Toxins
Glew, R. H.; and Levin, J., 1975, Proc. Soc. Exper. Biol. and Med., v. 148 (2), 508-510
Plasmodium falciparum, P. vivax in humans (exper.), P. coatneyi in Macaca mulatta (exper.), unable to demonstrate the presence of endotoxins in blood of either humans or monkeys infected with malaria in studies using the Limulus amebocyte lysate test

Toxins
Hammerberg, B.; Musoke, A. J.; and Williams, J. F., 1977, J. Parasitol., v. 63 (2), 327-331
Echinococcus granulosus, factors in hydatid fluid can initiate non-immunologic activation of complement in normal serum and production of anaphylatoxins, this mechanism may be involved in pathogenesis of hydatid fluid shock syndrome and may also contribute to development of non-specific reactivity in immunodiagnostic skin tests for hydatid infection

Toxins
Heydorn, A. O., 1977, Arch. Lebensmittel.-Hyg., v. 28 (1), 27-31
Sarcocystis bovihominis, S. bovicanis, exper. human infection from raw beef, minor symptoms; S. suihominis, exper. human infection from raw pork, severe symptoms, parasite pathogenic or toxic

Toxins
Julian, R. J.; Harrison, K. B.; and Richardson, J. A., 1976, Mod. Vet. Pract., v. 57 (9), 711-712, 716, 718
Eimeria zurnii, E. bovis, cattle, nervous signs, pathology, severe enteritis, possibility of toxins from coccidia: Canada

Toxins
Kierszenbaum, F.; and Saavedra, L. E., 1972, J. Protozool., v. 19 (4), 655-657
effects of bacterial endotoxin on experimental infection of mice with Trypanosoma cruzi following different sequences of administration, peak parasitemias of endotoxin-treated mice were higher than those of nontreated infected animals regardless of time of endotoxin administration

Toxins
McCaul, T. F.; Poston, R. N.; and Bird, R. G., 1977, Exper. Parasitol., v. 43 (2), 342-352
Entamoeba histolytica and E. invadens trophozoites cause chromium release from labeled human liver cells in culture, phospholipase inhibitor suppresses chromium release, results support belief that toxin affecting membrane permeability is operative factor in pathogenesis of amoebiasis

Toxins
Malley, A.; et al., 1968, J. Immunol., v. 101 (2), 292-300
Ascaris suum, Macaca mulatta inoculated with crude worm extract or electrophoretically purified fraction, atopic-type hypersensitivity demonstrated by direct active cutaneous anaphylaxis and by passive transfer experiments; second fraction showed toxic effects but did not sensitize normal M. mulatta nor cross-react with the sensitizing fraction

Toxins
Newland, B. G.; and John, D. T., 1977, Virginia J. Sc., v. 28 (2), 65 [Abstract]
Plasmodium berghei, mice, pretreatment with bacterial endotoxin and lipid A (endotoxin-pretreated mice demonstrated increased resistance; lipid A had little effect)

Toxins
Osuna, O.; Edds, G. T.; and Blankespoor, H. D., 1977, Am. J. Vet. Research, v. 38 (3), 341-349
additive toxicity of aflatoxin B_1 in Fasciola hepatica-infected calves

Toxins
Sen, D. K.; and Lin, V. K., 1977, Virginia J. Sc., v. 28 (1), 9-12
Trypanosoma duttoni, resistance of mice increased by holothurin administered before and during infection with trypanosomes, higher level of parasitemia observed in mice treated after infection with trypanosomes, possible mechanisms

Toxins
Shchukin, P. I., 1977, Izvest. Akad. Nauk SSSR, s. Biol. (4), 589-601
ascarids, toxic substances in metabolic products producing changes in blood serum proteins in various strains of rats as reflecting genotypical differences among strains

Toxins
Tizard, I. R.; et al., 1977, Canad. Fed. Biol. Soc., Programme and Proc. 20. Ann. Meet., v. 20, 4 [Abstract]
Trypanosoma congolense, autolysing in vitro, generation of hemolytic and cytotoxic fatty acids by endogenous phospholipase A, proposed as major pathogenic mechanism

Toxins
Tizard, I. R.; et al., 1977, Experientia, v. 33 (7), 901-902
Trypanosoma congolense, hemolytic activity is due to presence of free fatty acids generated by action of phospholipase A on endogenous phosphatidyl choline, some lysolecithin also contributes to lytic activity, T. lewisi is devoid of phospholipase A and does not generate free fatty acids and is therefore non-hemolytic

Toxins
Tizard, I. R.; and Holmes, W. L., 1976, Experientia, v. 32 (12), 1533-1534
Trypanosoma congolense, generation of toxic activity considered to be of potential significance in pathogenesis (phospholipase-like activity capable of mediating lysis of both nucleated cells and erythrocytes as well as acute inflammatory response on intradermal inoculation), Trypanosoma lewisi produced no significant hemolysis

Toxins
Tizard, I. R.; and Ringleberg, C. P., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 885 [Letter]
Trypanosoma congolense, release of biologically active material (capable of causing inflammatory reaction) from dying trypanosomes in diffusion chambers in rats, not observed with T. lewisi, suggests that hypothesis of trypanosomal toxins should be reconsidered

Toxins
Veenendaal, G. H.; et al., 1976, Research Vet. Sc., v. 21 (3), 271-279
Trypanosoma vivax, goats, fever induced by T. vivax or bacterial endotoxins, comparison of roles of kinins and serotonins

Trachea. [See also Respiratory system]

Trachea
Darke, P. G. G., 1976, Vet. Rec., v. 99 (15), 293-294
Filaroides osleri-infected dogs, tracheobronchitis, levamisole, good results

Trachea
Luengo, M.; and Arata, N., 1970, Bol. Chileno Parasitol., v. 25 (1-2), 87-88
chronic respiratory distress in dog caused by tracheal polyps containing Filaroides osleri

Trachea
Triggiani, O.; and Poinar, G. O., jr., 1976, J. Invert. Path., v. 27 (3), 413-414
entry of Neoaplectana carpocapsae in Phryganidia californica and Galleria mellonella via host tracheal system

Trachea
Valenza, F., 1974, Atti Soc. Ital. Sc. Vet., v. 28, 704-705
Syngamus, pheasants, tracheal granulomas, pathology, description of lesions

Transmammary infection. See Disease transmission, Lactation.

Transmission. See Disease transmission; Vectors.

Transplacental infection. See Prenatal infection.

Transplantation
Boyer, M. H.; Ketchum, D. G.; and Palmer, P. D., 1976, Internat. J. Parasitol., v. 6 (3), 235-238
Schistosoma mansoni, surgical technique for transfer of 3-week-old worms to mesenteric veins of mice, parasites grown in donor C3H/StCrl strain survive on transfer to recipient C57BL/10J mice despite prior immunization with C3H/StCrl cells or skin grafts

Transplantation
Cioli, D., 1976, Internat. J. Parasitol., v. 6 (4), 349-354
Schistosoma mansoni, simple and rapid procedure for transfer into mesenteric veins of hamsters, potential usefulness with special emphasis on recommended use for schistosome genetics

Transplantation
Cioli, D.; and Neis, R., 1972, Parassitologia, v. 14 (1), 73-79
Schistosoma mansoni surgically transplanted from mice to hamsters, accepted by normal hamsters, rejected by hamsters pre-immunized against normal mouse red blood cells; evidence for host antigens

Transplantation
Hopkins, C. A.; and Zajac, A., 1976, Parasitology, v. 73 (1), 73-81
Hymenolepis diminuta, transplanted into various classes of mice (naive mice receiving cortisone, naive mice, irradiated naive mice, immunized mice, irradiated immunized mice), differences in time course of rejection response, surgical stress as a possible source of error

Transplantation
Irvin, A. D.; et al., 1973, Isotopes and Radiation Parasitol. III, 155-159
Theileria parva-macroschizont-infected bovine lymphoid cells inoculated into whole-body-irradiated mice, tumors containing macroschizont-infected lymphoid cells developed at inoculation site, no evidence that parasites had invaded mouse cells nor that mouse cells were involved in tumor formation, parasitized cells from tumors successfully transferred back to tissue culture and into other irradiated mice

Transplantation
Isseroff, H.; Girard, P. R.; and Leve, M. D., 1977, Exper. Parasitol., v. 41 (2), 405-409
Fasciola hepatica, bile duct enlargement induced in rats after intraperitoneal transplantation of worms in fine mesh sacks, results suggest that biliary tract hyperplasia is induced by chemical factor since sacks prevented physical contact

Transplantation
Pappas, P. W.; and Mayer, L. P., 1976, J. Parasitol., v. 62 (2), 329-332
Hymenolepis microstoma transplanted into uninfected recipient mice, evidence that ability to elicit histopathological host response and to migrate from small intestine to bile duct is not limited to young developing worms

Transplantation
Recknagel, H.; and Werner, E., 1975, Monatsh. Vet.-Med., v. 30 (20), 768-771
liver fluke implantation technique, screening of fasciolicides

Transplantation
Suswillo, R. R.; and Denham, D. A., 1977, J. Parasitol., v. 63 (3), 591-592
Brugia pahangi, transplanted infections in Meriones unguiculatus as a new system of testing drugs for filaricidal activity

Transplantation
Weiner, D. J.; and Soulsby, E. J. L., 1976, J. Parasitol., v. 62 (6), 886-893
Litomosoides carinii, host response to adult worms intrapleurally or intraperitoneally transplanted into infected vs. naive Mastomys natalensis, concluded that preparation period is necessary for successful residence of adult worms

Transplantation
Zielke, E., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 243-244
Dirofilaria immitis, preliminary trials show that parasite can be transplanted from dog and survive for some time in peritoneal cavity of laboratory rodents (rat, mouse, guinea-pigs, Meriones, Mastomys) with some migration outside peritoneal cavity

Transport hosts. See Vectors, Mechanical.

Travel, Disease transmission. See Disease transmission, Travel and migration.

Trinidad. [See also West Indies]

Trinidad
Smith, M. W., 1975, Ann. Trop. Med. and Parasitol., v. 69 (1), 121-129
Amblyomma cajennense, distribution, populations, host range, distribution relative to several factors (temperature, relative humidity, rainfall, soil type, soil drainage, grass length, land utilization, livestock movements), seasonal variations, life cycle under controlled laboratory conditions, implications of findings for tick control: Trinidad

Tropical diseases
Anipare, W. E.; and Draganski, K., 1973, Mater. Med. Pol. (14), v. 5 (1), 79-84
human parasitic diseases of tropical climates, clinical aspects, complications, diagnosis, review

Tropical diseases
Dodin, A.; and Charmot, G., 1971, Medecine et Malad. Infect., v. 1 (5-6), 273-276
tropical parasitic pathology related to travel, need for diagnostic awareness, review

Tropical diseases
Germain, P., 1971, Medecine Interne, v. 6 (4), 249-272
diagnosis and clinical aspects of tropical diseases of Africans who have travelled and migrated to non-endemic areas, review

Tropical diseases
Golvan, Y. J., 1971, Medecine et Malad. Infect., v. 1 (1), 23-29
importance of tropical parasites imported into temperate areas through travel and migration, review

Tropical diseases
Junod, C., 1973, Medecine Interne, v. 8 (2), 133-142
Entamoeba histolytica and other human parasitic diseases imported into non-endemic areas from tropical climates, clinical aspects, prophylaxis and treatment, review

Tropical diseases
Leon, L. A., 1975, Medicina, Mexico (1202), an. 61, v. 55, 370-376
epidemiology, diagnosis and treatment of furunculous lesions of tropical diseases, Trypanosoma cruzi, Leishmania tropica, Dermatobia hominis

Tropical diseases
Stuerchler, D.; and Degremont, A., 1976, Schweiz. Med. Wchnschr., v. 106 (20), 682-688
extensive diagnostic and clinical review of filarial parasites frequently encountered by travelers to endemic tropical areas: Switzerland

Tropical diseases
Warren, K. S., 1975, J. Infect. Dis., v. 131 (5), 613
algorithms in the diagnosis and management of exotic and tropical parasitic diseases for use of physicians in non-endemic areas, beginning series of publications

Tropical diseases
Warren, K. S.; and Mahmoud, A. A. F., 1976, J. Infect. Dis., v. 133 (5), 596-601
prevention of malaria, schistosomiasis and other tropical and exotic diseases, advice to travellers

Tropical diseases
White, F. M. M., 1977, Canad. Med. Ass. J., v. 117 (3), 241-245
human tropical parasitic diseases, increasing incidence with increasing travel, migration and international trade: Canada

Tropical diseases
Wilson, C. R. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 37-42
psychiatric morbidity in a tropical diseases unit: Hospital for Tropical Diseases, London

Tropical diseases
Woodruff, A. W., 1971, Brit. J. Clin. Pract., v. 25 (12), 529-535
achievements in tropical medicine during past 25 years, control, prophylaxis, treatment

Tropical diseases, Manuals and textbooks
Hall, H. T. B., 1977, Diseases and parasites of livestock in the tropics, 288 pp., illus.
handbook of parasites and diseases of livestock in the tropics

Tropical diseases, Manuals and textbooks
Peters, W.; and Gilles, H. M., 1977, A colour atlas of tropical medicine and parasitology, 416 pp., illus.
atlas of tropical diseases and parasitology

Tropical eosinophilia. See Eosinophilia, Tropical.

Tropism. See Taxis.

Tuberculosis
Ahluwalia, H. S., 1965, Med. J. Malaya, v. 19 (4), 316-317
case report of acute peritonitis in man caused by granulomatous lesion of Ascaris lumbricoides, original diagnosis of tuberculosis had been made: Malaysia

Tuberculosis
Hamel, D.; et al., 1972, Medecine et Malad. Infect., v. 2 (2), 75-77
Schistosoma haematobium, granulomatous lesion of epididymis, case report, differential diagnosis from tuberculosis: Moroccan living in France

Tuberculosis
Hunstad, N., 1969, Tidsskr. Norske Laegefor., v. 89 (23), 1804-1805
toxoplasmosis, lymphatic infection in woman presenting and treated as tuberculosis, successfully treated with daraprim after correct diagnosis with dye test: Norway (native of Iran)

Tuberculosis
Labay, G. R.; Mori, K.; and Datta, B., 1975, N. York State J. Med., v. 75 (3), 410-413
human schistosomal infections co-existing with ileocecal tuberculosis, 2 case reports, differential diagnosis difficult since dual infection mimicked a variety of ileocecal pathologic conditions: New York City

Tuberculosis
Matossian, R. M.; Kurban, A. K.; and Malak, J. A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 450-452
Leishmania tropica, humans, circulating antibodies, detection by immunofluorescence, cross reactivity with L. donovani and Trypanosoma cruzi antigens, possible cross reactivity in mixed tuberculosis infections

Tuberculosis
Sishido, S., 1974, Nippon Kyobu Shikkan Gakkai Zasshi (Japan. J. Thorac. Diseases), v. 12 (6), 327-331
Pneumocystis carinii in youth, anti-tubercular drugs given for 6 months without good results before diagnosis of Pneumocystis granulomatous changes in lung cavities discovered: Japan

Tuberculosis
Troussaint, D.; and Vanderhaeghen, J. J., 1975, Ophthalmologica, Basel, v. 171 (3), 237-243
ocular toxoplasmosis in man with concurrent trigeminal herpes zoster, pulmonary tuberculosis and Hodgkin's disease, death resulted from toxoplasmic encephalitis, clinical case report: Brussels, Belgium

Tumor. [See also Granuloma]

Tumor
Ackerman, S. B.; and Seed, J. R., 1976, Infect. and Immun., v. 13 (2), 388-391
Trypanosoma brucei gambiense-infected Microtus montanus, increased susceptibility to Ehrlich's tumor growth, implications of trypanosome-induced immunosuppression toward susceptibility to neoplastic growth

Tumor
Droller, M. J.; and Remington, J. S., 1975, Cellular Immunol., v. 19 (2), 349-355
Toxoplasma-infected mice, correlation between decrease in adenyl cyclase activity in lymphocytes and macrophages and resistance to tumor growth, data suggest that production of cyclic AMP by lymphocytes is inhibited with activation of certain cell-mediated immune functions

Tumor
Irvin, A. D.; et al., 1973, Isotopes and Radiation Parasitol. III, 155-159
Theileria parva-macroschizont-infected bovine lymphoid cells inoculated into whole-body-irradiated mice, tumors containing macroschizont-infected lymphoid cells developed at inoculation site, no evidence that parasites had invaded mouse cells nor that mouse cells were involved in tumor formation, parasitized cells from tumors successfully transferred back to tissue culture and into other irradiated mice

Tumor
Irvin, A. D.; et al., 1975, Nature (5511), v. 255, 713-714
Theileria parva-infected lymphoid cells, growth in irradiated athymic mice (extensive infiltration causing malignant neoplastic condition), comparison with bovine lymphosarcoma cells (discrete circumscribed tumors with no evidence of metastasis)

Tumor
Kalter, S. S.; et al., 1977, Lab. Animal Sc., v. 27 (1), 122-124
Schistosoma haematobium in Cebus apella (exper.), urinary bladder neoplasm containing type C virus

Tumor
Keller, R.; Ogilvie, B. M.; and Simpson, E., 1971, Lancet, London (7701), v. 1, 678-680
Nippostrongylus brasiliensis, rats, mice, effect of infection on tumor growth, results raise possibility that helminths and tumors may share antigens and suggest that helminth infections have non-specific effect on tumor growth

Tumor
Lavoipierre, M. M. J.; Rajamanickam, C.; and Ward, P., 1965, Med. J. Malaya, v. 20 (2), 172
tumorous skin lesions in Locustella lanceolata produced by Harpyrhynchus sp.: Seletar, Singapore

Tumor
Oostburg, B. F. J., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 580-583
thiabendazole therapy of Lagochilascaris minor infection in youth causing painful tumor in neck region, case report: Surinam

Tumor
Pons, S., 1971, Med. Cutan., v. 5 (6), 433-440
classification of chagomas, the tumor-like lesions resulting from human cutaneous infections with Trypanosoma cruzi

Tumor
Stucchi, C. A.; et al., 1972, Ophthalmologica, Basel, v. 165 (3-4), 384-389
ocular toxoplasmosis in association with retinal angioma, 12-year-old boy, differential diagnosis, clinical case report: Switzerland

Tumor
Weidner, E., 1976, J. Protozool., v. 23 (2), 234-238
Glugea stephani-induced xenoma in Pseudopleuronectes americanus, ultrastructure of peripheral zone

Tumor
Weiser, J., 1975, J. Protozool., v. 22 (3), 70A [Abstract]
microsporidians in simuliids (including Pleistophora debaisieuxi in Odagmia ornata; and Glugea), provocation of neoplastic xenoma

Tumor
Weiser, J., 1976, Ztschr. Parasitenk., v. 48 (3-4), 263-270
Pleistophora debaisieuxi, xenomas (xenoparasitic complexes or parasite-host interactions) in blackflies, Odagmia ornata (fat body), syncytial and neoplastic types, morphology: Kokorin near Prague

Tumor, Cancer. See Cancer.

Turkey
Tezel, K. B., 1975, Mikrobiyol. Bul., v. 6 (4), 113-121
human intestinal parasites, results of 2-year survey of hospital outpatients: Etimesgut area, Turkey
(Entamoeba histolytica; Dientamoeba fragilis; Giardia lamblia; Chilomastix mesnili; Trichomonas intestinalis; Trichuris trichiura; Ascaris lumbricoides; Enterobius vermicularis; Hymenolepis nana; Taeniarhynchus saginatus; Trichostrongylus; Strongyloides stercoralis; Rhinoestrus larva)

Tuva ASSR. See Russia, Tuva ASSR.

Ukraine. See Russia, Ukrainian SSR.

Ulcer
Ceneviva, R.; Modena, J. L. P.; and Castelfranchi, P. L., 1971, Medicina, Sao Paulo, v. 4 (2), 37-43
Chagas disease as a predisposing factor in the development of gastroduodenal ulcers in human infections

Ulcer
Orr, J. P., 1972, Vet. Rec., v. 90 (20), 571
Ascaris equorum in Thoroughbred foal (peritoneal cavity, stomach), probable cause of fatal perforated duodenal ulcer; accompanied by aneurysm at root of anterior mesenteric artery containing near-adult Strongylus vulgaris, case report

Ulcer
Rieck, M.; and Halter, F., 1972, Minerva Med., v. 63 (58), 3166-3168
human rectal amoebiasis presenting as solitary ulcer, differential diagnosis

Ulcer
Rivera, M. A.; and Gaafar, S. M., 1976, Vet. Parasitol., v. 2 (4), 341-353
Ascaris suum, pigs, sequential development of esophagogastric ulcers induced by infection

Ulcer
Smith, J. H.; Kelada, A. S.; and Khalil, A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 89-95
Schistosoma haematobium in humans, pathology of schistosomal ulceration of urinary bladder, possible economic importance of treatment and lost man-power time: Egypt

Ultracentrifugation. See Centrifugation.

Ultrasonic vibrations. See Sound.

Ultrastructure. See Morphology.

Ultraviolet radiation. See Radiation.

United States
Graham, O. H.; Gladney, W. J.; and Beltran G., L. G., 1975, Folia Entom. Mexicana (33), 66-67
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stomach parasites of horses from southwestern, southern and central United States (Gasterophilus nasalis; G. intestinalis; Habronema muscae; Draschia megastoma; Trichostrongylus axei; Parascaris equorum)

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prevalence in dogs (feces), Navajo reservation: New Mexico; Arizona (Echinococcus granulosus; Taenia hydatigena; T. pisiformis; T. serialis; T. ovis; Taenia spp.)

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Unites States, Arkansas
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human fecal parasitiological analysis as part of epidemiologic survey of endemic amoebiasis area (Entamoeba histolytica; E. coli; Endolimax nana; Entamoeba hartmanni; Giardia lamblia; Dientamoeba fragilis; Chilomastix mesnili; Strongyloides larvae; hookworm eggs): all from Calion, Arkansas

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enteric parasites isolated from Vietnamese children immigrating by airlift into the United States (Giardia lamblia, Ascaris lumbricoides, Endolimax nana, Entamoeba coli, E. histolytica, E. hartmanni, Trichomonas hominis, Strongyloides stercoralis; scabies): all from San Francisco

United States, California
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fecal and blood survey of international students and students who had returned from foreign travel for prevalence of endoparasites; importance of diagnostic awareness and likelihood of importation of parasitic infections by similar student groups: University of California, Davis
(Entamoeba histolytica; E. coli; E. hartmanni; Giardia lamblia; Endolimax nana; Iodamoeba buetschlii; Trichomonas hominis; Ascaris; Clonorchis; dicrocoeliid; Enterobius; hookworms; Hymenolepis nana; Schistosoma mansoni; Strongyloides; Trichostrongylus; Trichuris)

United States, Colorado
McCallister, G. L., 1977, J. Parasitol., v. 63 (3), 527
Bos taurus (feces): Mesa County, Colorado
(Cooperia spp.; Oesophagostomum radiatum; Strongyloides papillosus; Ostertagia sp.; Toxocara vitulorum; Bunostomum phlebotomum)

United States, Connecticut
Hargus, E. P.; et al., 1976, Clin. Pediat., Philadelphia, v. 15 (10), 927-929
fecal survey of elementary school children of Latin American origin for prevalence of intestinal parasites, correlation with length of residency in United States: Hartford, Connecticut
(Trichuris; Giardia; E[ntamoeba] coli; E. nana; Necator americanus; Ascaris; E. histolytica; Hymenolepis nana; Strongyloides stercoralis)

United States, Florida
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helminths of wild turkeys

United States, Georgia
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beef and dairy cattle, survey of gastrointestinal parasites: Georgia
(Ostertagia ostertagi; Trichostrongylus axei; T. colubriformis; Haemonchus placei; Cooperia punctata; C. oncophora; C. pectinata; Oesophagostomum radiatum; Bunostomum phlebotomum; Trichuris spp.; Nematodirus spathiger; Capillaria bovis; Moniezia expansa; Eimeria spp.; Strongyloides)

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Dirofilaria immitis, dogs, increasing incidence, higher incidence in males: Oahu, Hawaii

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Anaplasma marginale, cattle, prevalence and distribution: northern Idaho and southeastern Washington

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prevalence of intestinal parasites in rural children: Louisiana
(Ascaris lumbricoides; Trichuris trichiura; Entamoeba coli; Giardia lamblia)

United States, Louisiana
Christian, F. A.; and Perret, J. T., 1974, Proc. Helminth. Soc. Washington, v. 41 (2), 249-250
incidence, intestinal parasites, school children: Scotlandville area, Baton Rouge
(Endamoeba histolytica; Entamoeba coli; Endolimax nana; Giardia; Hymenolepis nana; Diphyllobothrium latum; Trichuris trichiura; Enterobius vermicularis; Ascaris; hookworms)

United States, Maine
Yazwinski, T. A.; and Gibbs, H. C., 1975, Am. J. Vet. Res., v. 36 (11), 1677-1682
helminth infections, survey, dairy cattle of various age groups, seasonal worm population dynamics, relation of farm management practices to degree of parasitism: Maine
(Ostertagia; Cooperia; Trichostrongylus; Haemonchus; Oesophagostomum; Strongyloides papillosus; Bunostomum; Nematodirus; Trichuris; Capillaria; Moniezia; Dictyocaulus viviparus)

United States, Nebraska
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survey of platyhelminth parasites of amphibians, patterns of geographical distribution in Nebraska, morphological descriptions

United States, Nebraska
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Acanthocephala of Nebraska fishes

United States, New Jersey
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intestinal helminths and protozoa, dogs, survey: New Jersey
(hookworm; Trichuris vulpis; Toxocara canis and/or Toxascaris leonina; Isospora; Taenia sp.; Physaloptera; Spirocerca lupi; Giardia canis; Dipylidium caninum; Alaria canis)

United States, New Mexico
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prevalence in dogs (feces), Navajo reservation: New Mexico; Arizona
(Echinococcus granulosus; Taenia hydatigena; T. pisiformis; T. serialis; T. ovis; Taenia spp.)

United States, New York
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United States, New York
Kean, B. H.; and Husseini, A., 1973, N. York State J. Med., v. 73 (10), 1189-1190
human intestinal parasitic survey comparing direct microscopic, Ritchie sedimentation and Kato-Miura techniques for identification: New York City
(Schistosoma mansoni; Ascaris lumbricoides; hookworm; Trichuris trichiura; Hymenolepis nana; Taenia sp.; Enterobius vermicularis; Diphyllobothrium latum)

United States, New York
Mantell, C. A.; and Yoeli, M., 1975, N. York State J. Med., v. 75 (1), 39-41
parasitological investigation of patients under office or hospital care for gastrointestinal disorders (33 persons infected of 412 examined): Staten Island
(Giardia lamblia; Entamoeba histolytica; E. coli; Dientamoeba fragilis; Strongyloides stercoralis; Hymenolepis nana; Ascaris lumbricoides; Enterobius vermicularis)

United States, New York
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Dirofilaria immitis, 2 of 100 stray dogs infected, none with Dipetalonema sp., first report of heartworm in domesticated dogs in the state: Buffalo, New York

United States, New York
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intestinal parasitic survey of dogs from animal shelter: Schenectady County
(Toxocara canis; Dipylidium caninum; Taenia pisiformis; Ancylostoma caninum; Oncicola canis)

United States, New York
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intestinal parasitic survey of cats from animal shelter: Schenectady County
(Toxocara cati; Taenia pisiformis)

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monogenean trematodes of centrarchid fishes

United States, North Carolina
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key to leeches known and expected from North and South Carolina

United States, Oregon
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Anaplasma marginale, cattle, epizootiology: Oregon

United States, South Carolina
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key to leeches known and expected from North and South Carolina

United States, Tennessee
Panagatos, S. W.; and Dunn, M. C., 1976, J. Tennessee Acad. Sc., v. 51 (3), 97-99
survey, intestinal helminths, stray and domestic dogs: Rutherford County, Tennessee
(Ancylostoma caninum; Trichuris vulpis; Toxocara canis; Taenia pisiformis; Dipylidium caninum; Ascaridae [sp.]; Taenia sp.; Trichuris sp.; Ancylostoma sp.; Dipylidium sp.)

United States, Texas
Arambulo, P. V. III; and Steele, J. H., 1976, Internat. J. Zoonoses, v. 3 (2), 114-144
parasitic infection, urban dogs, environmental health impact, survey of feces deposited in residential area and of dog autopsies: Houston, Texas
(Ancylostoma caninum; Trichuris vulpis; Taenia pisiformis; Toxocara canis; Dipylidium caninum; Uncinaria stenocephala)

United States, Utah
Pearce, R. C.; and Tanner, W. W., 1973, Great Basin Nat., v. 33 (1), 1-18
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United States, Utah
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survey of dog and cat parasites
dog
(Dipylidium caninum; Taenia hydatigena; T. krabbei; T. pisiformis; Filaroides milksi; Toxascaris leonina; Toxocara canis)
cat
(Dipylidium caninum; Hydatigera taeniaformis; Physaloptera sp.; Toxocara mystax; Isospora felis; I. rivolta; Cheyletiella parasitivorax)

United States, Washington
Malczewski, A.; et al., 1975, Am. J. Vet. Res., v. 36 (11), 1671-1675
internal parasites, cattle, occurrence and severity: Washington state
(Bunostomum phlebotomum; Capillaria spp.; Cooperia mcmasteri; C. oncophora; C. punctata; Dictyocaulus viviparus; Haemonchus contortus; Nematodirus spp.; Neoascaris vitulorum; Oesophagostomum spp.; Ostertagia ostertagi; O. lyrata; Setaria cervi; Trichostrongylus axei; T. longispicularis; Trichuris discolor; T. ovis; Moniezia benedeni; Taenia saginata; Fasciola hepatica; Fascioloides magna; Paramphistomum spp.; Eimeria alabamensis; E. auburnensis; E. bovis; E. bukidnonensis; E. canadensis; E. cylindrida; E. ellipsoidalis; E. subspherica; E. zuernii)

United States, Washington
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Anaplasma marginale, cattle, prevalence and distribution: northern Idaho and southeastern Washington

United States, West Virginia
Rubertone, J. A.; and Hall, J. E., 1975, Proc. Helminth. Soc. Washington, v. 42 (1), 58-59
helminths of fish from the Greenbrier River below Alderson, West Virginia

United States, Wisconsin
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111
ectoparasites of vertebrates, preliminary survey: southeastern Wisconsin

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anaplasmosis control program: Wisconsin

United States, Wisconsin
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caryophyllaeid cestodes, key to species from catostomid and cyprinid fish in Wisconsin

Upper Volta
Gendron, Y., 1975, Medecine Trop., v. 35 (1), 70-71
survey, human intestinal parasites, patients in Upper Volta hospital
(Entamoeba histolytica; E. histolytica minuta; E. coli; lambliasis; ancylostomiasis; Taenia; Trichomonas; Ascaris; oxyuriasis; Strongyloides stercoralis; Schistosoma mansoni; Trichocephalus)

Upper Volta
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cestode parasites of small mammals (rodents, insectivores)

Urine and urinary tract. [See also Kidney]

Urine and urinary tract
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Schistosoma haematobium in humans, critical appraisal concludes there is no relationship between schistosomiasis and carcinoma of the bladder

Urine and urinary tract
Bhagwandeen, S. B., 1969, Med. J. Zambia, v. 3 (3), 46-47, 52
macroscopic and microscopic examination of urinary tract pathology resulting from human schistosomiasis with suggestions for clinical management

Urine and urinary tract
Biernat, A.; and Doroba, Z., 1976, Polski Tygod. Lekar., v. 31 (20), 857-858
Trichomonas vaginalis, urethral trichomoniasis in 24-year-old man with associated ulcerative balanitis of unknown etiology, resolution of both infections after metronidazole therapy: Warsaw

Urine and urinary tract
Buck, A. A., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (3), 336-338
Onchocerca volvulus, human, microfilaruria, review and research recommendations: Africa

Urine and urinary tract
Carayon, A.; et al., 1970, Medecine Afrique Noire, v. 17 (7), 547-550
surgical procedures in treatment of chronic schistosomal urinary tract lesions: Ivory Coast

Urine and urinary tract
Catterall, R. D., 1972, Med. Clin. North Am., v. 56 (5), 1203-1209
Trichomonas vaginalis infections of human genital tract, clinical review, medical management, metronidazole

Urine and urinary tract
Cheever, A. W.; et al., 1976, Am. J. Path. (412), v. 84 (3), 673-676
Schistosoma haematobium in capuchin monkeys (Cebus apella) (exper.), infection resulting in carcinoma of the urinary bladder, possible model for human infections

Urine and urinary tract
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human Schistosoma haematobium, possible relationships of radiologically demonstrable bladder calcifications to eggs in tissues and passage of eggs in urine

Urine and urinary tract
Coolsaet, B. L. R. A.; de Vries, H. R.; and Lamers, J. J. H., 1971, Nederl. Tijdschr. Geneesk., v. 115 (24), 1038-1041
Schistosoma haematobium in man involving both ureters without evidence of bladder involvement, case report, surgical management: Netherlands (Moroccan native)

Urine and urinary tract
Cornet, L.; et al., 1970, Medecine Afrique Noire, v. 17 (7), 553-555
man, Schistosoma haematobium, ureteral schistosomal stenosis necessitating plastic surgical repair, case report: native of Haute-Volta

Urine and urinary tract
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indications for surgical intervention in human cases of schistosomal urinary tract infections, case reports

Urine and urinary tract
Czerucki, W., 1972, Polski Przegl. Chir., v. 44 (9), 1471-1472
human hydatid cyst of prostate gland with resulting acute urinary retention, case report, surgical management

Urine and urinary tract
Duke, B. O. L.; Moore, P. J.; and Vincelette, J., 1975, Tropenmed. und Parasitol., v. 26 (4), 449-468
Onchocerca volvulus in humans, factors influencing passage of microfilariae into urine (extra fluid intake, pyrexial episodes, dosage with diethylcarbamazine, host activity), probably from reservoir in kidney glomerular capillaries, implications for epidemiologic surveys

Urine and urinary tract
El-Bishlawi, O., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 307-308 [Letter]
Schistosoma haematobium, adhesion of red blood cells to ova as cause of hematuria; similar adhesion phenomenon observed with microfilariae in blood-tinged hydrocoele fluid

Urine and urinary tract
Ezzat, E.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 315-318
Schistosoma haematobium in humans, comparative study with matched controls supports theory that schistosomiasis is a cause of nephritis and proteinuria: Egypt

Urine and urinary tract
Fazen, L. E.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 52-57
epidemiologic study of human microfilaruria in Guatemala, its frequency of occurrence and association with microfilariae in skin and its relationship to presence of subcutaneous nodules

Urine and urinary tract
Foley, R. H., 1976, Canine Pract., Santa Barbara, v. 3 (6), 8-10 [Letter]
Dirofilaria immitis, microfilaruria, technique for differentiating urinary protein abnormalities in urine of dogs simultaneously having heartworm and renal and/or bladder disease: Florida

Urine and urinary tract
Gelfand, M., 1969, Med. J. Zambia, v. 3 (2), 14-25
diagnostic signs of human schistosomal disease with discussions on associated urinary tract pathology and possible relationships with hypertension and bladder cancer

Urine and urinary tract
Gove, R. B., 1972, Med. J. Zambia, v. 6 (5), 149-155
routine rectal-sigmoid biopsy in diagnosed cases of Schistosoma haematobium urinary tract infections disclosed frequent concomitant Schistosoma mansoni infections of intestine: Zambia

Urine and urinary tract
Hansman, D. J.; and Brown, J. M., 1974, Med. J. Australia, v. 2 (15), 563-565
eosinophilic cystitis in 4-year-old child probably associated with echinococcal infections (eggs of Echinococcus granulosus found in pet dog's feces and child had strongly positive Casoni reaction): Australia

Urine and urinary tract
Haschek, H.; and Kofler, K., 1973, Med. Klin., Berlin, v. 68 (4), 106-110
Trichomonas vaginalis, infertility and other complications of infections in males, clinical aspects, epidemiology

Urine and urinary tract
Hicks, R. M.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 288 [Demonstration]
Schistosoma haematobium, studies in hamsters and baboons (both exper.) for possible correlations between nitrosamines and development of bladder tumors in the presence of schistosomiasis

Urine and urinary tract
Itazi, O. K. A.; and Enyaru, J. C., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 263 [Abstract]
T[rypanosoma] brucei, rabbits, proteins excreted in urine are very similar to normal serum proteins

Urine and urinary tract
Jones, J., 1977, J. Am. Med. Ass., v. 238 (12), 1275-1276
Schistosoma haematobium in Nigerian graduate student, urinary schistosomiasis previously treated as urinary tract infection because of lack of diagnostic awareness of exotic diseases in non-endemic areas, clinical history, successful treatment with niridazole: Lexington, Kentucky

Urine and urinary tract
Jursz, W., 1971, Polski Tygod. Lekar., v. 26 (27), 1043-1046
Schistosoma haematobium, humans, urinary tract schistosomiasis complicated by urolithiasis, diagnosis, medical and surgical management: Niamey, Niger

Urine and urinary tract
Kaddu, J. B.; and Suzuki, M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (5-6), 1976, 538-539 [Letter]
Trypanosoma musculi, ultrastructural study of kidney changes in infected mice (exper.), possibility that changes might affect functioning of urinary systems

Urine and urinary tract
Kalter, S. S.; et al., 1974, Nature (5474), v. 251, 440
Schistosoma haematobium-induced urinary bladder neoplasm, presence of C-type viral particles, Cebus sp.

Urine and urinary tract
King, A., 1972, Med. Clin. North Am., v. 56 (5), 1193-1202
Trichomonas vaginalis, cause of human nonspecific urethritis, clinical review, medical management

Urine and urinary tract
Kipnis, R. M.; et al., 1976, Canine Pract., Santa Barbara, v. 3 (4), 49-50, 52
Dirofilaria immitis, dog, case report, microfilariae detected in urine, differentiated from casts and mucous threads in urine sediment, thiacetarsamide and Dizan, good results

Urine and urinary tract
Kipnis, R. M.; and Todd, K. S., jr., 1977, Feline Pract., v. 7 (2), 16-19
Pelodera strongyloides, cat (urine), cystitis, case history, possible case of pseudoparasitism: northern Illinois; Green Bay, Wisconsin

Urine and urinary tract
Krystyna, P., 1976, Pediat. Polska, v. 51 (5), 543-548
Trichomonas vaginalis affecting vaginal and urinary tract of young girls, pathologic findings, value of cultures in diagnosis

Urine and urinary tract
Kuntz, R. E.; et al., 1974, Proc. Helminth Soc. Washington, v. 41 (2), 221-223
Schistosoma intercalatum, Didelphis marsupialis (exper.), only minor pathologic changes, no involvement of urogenital system

Urine and urinary tract
Kuntz, R. E.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (5-6), 494-502
Schistosoma haematobium in Hylobates lar (exper.), resulting bladder calcifications and papillary tumors of bladder and ureters similar to human infection, possible laboratory model

Urine and urinary tract
Lehman, J. S., jr., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (3), 426-427 [Letter]
Schistosoma haematobium, phenolsulphonphthalein excretion test as possible simple and safe field technique for detection of schistosomal obstructive uropathy as alternative to intravenous urography which is expensive and dangerous

Urine and urinary tract
Lehman, J. S., jr.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (4), 616-618
possible associations between Schistosoma mansoni infections and renal damage with proteinuria, humans

Urine and urinary tract
M'Bappe, F.; and Meau, F., 1975, Medecine Afrique Noire, v. 22 (8-9), 593-600
human urogenital schistosomiasis, indications for extensive surgical intervention and review of surgical procedures

Urine and urinary tract
Nitidandhaprabhas, P.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 49-51
fourth reported case of human urinary tract gnathostomiasis, woman with history of eating raw fish passed adult male Gnathostoma spinigerum in urine, probable parasite migration through lung and spinal column to bladder: Thailand

Urine and urinary tract
Norden, D. A.; and Gelfand, M., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 607-608 [Letter]
Schistosoma haematobium, human, urinary loss of protein and amino acids would appear to make little contribution to severity of malnutrition

Urine and urinary tract
Perquis, P.; et al., 1972, Medecine Afrique Noire, v. 19 (12), 913-917
Schistosoma haematobium, human bladder infections, associated urinary lithiasis, case reports, possible etiology, rarity of occurrence

Urine and urinary tract
Picq, J. J.; and Roux, J., 1973, Medecine Trop., v. 33 (5), 451-461
Onchocerca volvulus, human, microfilaruria in relation to age and sex of host, other filarial diseases, geographic region, cutaneous microfilarial densities, albuminuria during suramin treatment, eggs of Schistosoma haematobium in urine, and diethylcarbamazine chemotherapy

Urine and urinary tract
Poux, J.; and Picq, J. J., 1974, Medecine et Armees, v. 2 (10), 877-882
Onchocerca volvulus, occurrence of microfilaria during treatment with diethylcarbamazine, possible correlation with infection intensity: Haute-Volta

Urine and urinary tract
Pye, D.; and Cox, J. C., 1977, Lab. Animals, v. 11 (4), 233-234
Encephalitozoon cuniculi, isolation from urine of infected rabbits, use of human and canine cell cultures, advantages of urine over tissue as source

Urine and urinary tract
Rifaat, M.A.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (5), 722-723 [Letter]
Strongyloides stercoralis, 50-year old male farmer with nocturia and urinary incontinence cured by dithiazanine treatment, evidence supported diagnosis of infection of genitourinary system by S. stercoralis: Egypt

Urine and urinary tract
Rougemont, A.; et al., 1975, Medecine Trop., v. 35 (5), 418-422
Schistosoma haematobium, mass epidemiologic surveys, relationship of proteinuria to human urinary schistosomiasis

Urine and urinary tract
San Antonio Alvarez, J., 1972, Med. Trop., Madrid, v. 48 (3-4), 154-181
life cycle and extensive clinical review of human urinary tract Schistosoma haematobium, diagnosis, pathology, case reviews, medical management: Republic of Zaire

Urine and urinary tract
San Antonio Alvarez, J., 1972, Med. Trop., Madrid, v. 48 (3-4), 188-195
clinical symptoms and pathologic findings of 7 cases of Entamoeba histolytica cystitis, probable secondary infection resulting from amoebic dysentery

Urine and urinary tract
Smith, J. H.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 85-88
Schistosoma haematobium in humans, pathology of schistosomal polyposis of urinary bladder, relationship of histologic patterns to disease progression, significance of egg burdens

Urine and urinary tract
Smith, J. H.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 96-108
Schistosoma haematobium in humans, schistosomal obstructive uropathy, clinical, laboratory, epidemiologic and pathologic analysis

Urine and urinary tract
Smith, J. H.; Kelada, A. S.; and Khalil, A., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 89-95
Schistosoma haematobium in humans, pathology of schistosomal ulceration of urinary bladder, possible economic importance of treatment and lost man-power time: Egypt

Urine and urinary tract
Soliman, L. A. M.; et al., 1974, Tropenmed. u. Parasitol., v. 25 (3), 327-333
Schistosoma haematobium, monkeys and baboons, lesions in bladder muscle

Urine and urinary tract
Subiabre, V.; et al., 1976, Bol. Chileno Parasitol., v. 31 (1-2), 44-45
Trichomonas vaginalis diagnosed in apparently healthy males by smears of urine sediment, prevalence survey: Chile

Urine and urinary tract
Szczygiel, B., 1974, Przegl. Lek., v. 31 (12), 997-999
human schistosomiasis, bladder calcifications in the course of bladder infections, radiologic aspects and diagnostic features

Urine and urinary tract
Szczygiel, B., 1976, Przegl. Lek., v. 33 (10), 878-881
Schistosoma haematobium, humans, visualization of male urethra in cases of bladder schistosomiasis using ascending urethrography

Urine and urinary tract
Tsukamoto, M.; et al., 1975, Nettai Igaku (Trop. Med.), v. 17 (1), 13-26
Plasmodium spp. in humans, field trials of biochemical analysis of blood and urine, value comparisons before and after antimalarial therapy: Philippines

Urine and urinary tract
Weise, M.; and Voller, A., 1975, Tropenmed. und Parasitol., v. 26 (4), 390-394
Plasmodium brasilianum, proteinuria and other pathologic changes in urinary tract of Aotus trivirgatus (exper.), possible use of Aotus-P. brasilianum system to study renal immunopathology of human malaria

Urine and urinary tract
Wilkins, H. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 411-415
Schistosoma haematobium, variations in human urinary creatinine concentrations and correlations with parasite egg counts in urine

Urine and urinary tract
Yoshikawa, T.; Oyamada, T.; and Yoshikawa, M., 1976, Japan. J. Vet. Sc., v. 38 (2), 105-115
Setaria digitata, cattle, accidental parasitic entry in bovine urinary bladder from abdominal cavity, pathology of granulomatous lesions, histological findings

Urine and urinary tract
Zajac, W.; and Malyszko, E., 1977, Przegl. Dermat., v. 64 (2), 185-189
Trichomonas vaginalis, analysis of incidence of human infection of urogenital tract in the absence of venereal diseases: Poland

Urticaria
Coskey, R. J., 1977, Arch. Dermat., Chicago, v. 113 (8), 1130-1131 [Letter]
Clonorchis sinensis as probable cause of urticaria in Oriental woman (parasite eggs in feces) who had just visited Hong Kong, clinical case report: Michigan

Urticaria
Dellamonica, P.; et al., 1976, Nouv. Presse Med., v. 5 (30), 1913 [Letter]
Giardia intestinalis in woman with associated urticaria and dysentery, relief of symptoms after metronidazole therapy, clinical case report: Nice, France

Utah. See United States, Utah.

Uzbek SSR. See Russia, Uzbek SSR.

Uzbekistan. See Russia, Uzbek SSR.

Vaccination. See Immunization.

Vaccine therapy. See Immunization.

Variation. [See also Measurements; Morphology; Polymorphism]

Variation
Ajayi, J. A.; and Todd, A. C., 1973, Am. J. Vet. Research, v. 34 (3), 449-450
Haemonchus contortus, populations of differing pathogeniticy used to premunize and challenge sheep, ability to distinguish 2 worm populations in sheep exposed to both by separation in curve of distribution frequencies of parasite lengths

Variation
Ayala, S. C.; and Spain, J. L., 1976, J. Parasitol., v. 62 (2), 177-189
Plasmodium colombiense sp. n. in Anolis auratus, host blood pictures, parasitemia, parasite structure and structural variance, infection states, host population structure, epidemiology: western Colombia (Cauca River valley basin)

Variation
Bagster, I. A.; and Parr, C. W., 1973, Nature (5415), v. 244, 364-366
trypanosome identification by electrophoresis of soluble enzymes

Variation
Bennett, G. F.; and Campbell, A. G., 1975, Canad. J. Zool., v. 53 (6), 800-812
Leucocytozoon spp., morphometric variation, "concluded that the morphometric characteristics were not valid criteria for species differentiation.", proposed synonymies

Variation
Bertelli, M. S. M.; Golgher, R. R.; and Brener, Z., 1977, J. Parasitol., v. 63 (3), 434-437
Trypanosoma cruzi, 8 strains, intraspecific variation in effect of temperature on intracellular amastigote-trypomastigote differentiation in tissue culture

Variation
Betterton, C.; and Lim, B.-L., 1977, Internat. J. Parasitol., v. 7 (1), 73-82
Zonorchis, Skrjabinus, morphological variation analyzed, effects of allometric growth investigated, patterns in relation to host ecology and distribution, taxonomic implications: Malaysia

Variation
Beveridge, I.; and Rickard, M. D., 1976, Internat. J. Parasitol., v. 6 (1), 55-59
Taenia pisiformis in rabbits (exper.), growth and development of rostellar hooks, hook differentiation and size related to age of cysticerci, ability to resist effects of digestive enzymes in vitro, and ability to infect dogs, variability in hook sizes attributable to external influences suggests caution in use of hook lengths as taxonomic characters

Variation
Borroni, I.; and Grimaldi, E., 1974, Riv. Parassitol., v. 35 (4), 261-276
Diphyllobothrium latum, ecology of plerocercoid infection in fish, incidence and intensity, interplay of various factors (host species, host size (age), mechanism of infection (eating copepods vs. eating other fish), parasite size, muscular vs. visceral localization, site on lake in relation to human concentration): Lago Maggiore

Variation
Braun-Munzinger, R. A.; and Southgate, B. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 385 [Demonstration]
Onchocerca volvulus, 4 distinct types differentiated in 4 native villages of Togo

Variation
Brooks, D. R.; and Mayes, M. A., 1976, Tr. Nebraska Acad. Sc., v. 3, 1974-1976, 20-21
Oochoristica bivitellobata in Cnemidophorus sexlineatus, description, morphological variations: vicinity of Guide Rock and Arapahoe, Nebraska

Variation
Buckner, S. C.; and Nickol, B. B., 1975, J. Parasitol., v. 61 (6), 996-998
comparison of Moniliformis moniliformis and M. clarki, inter- and intraspecific morphological variation in usual definitive hosts and laboratory hosts

Variation
Campbell, R. A., 1973, Tr. Am. Micr. Soc., v. 92 (2), 256-265
Cotylurus flabelliformis, host specificity, host-induced variations not significant, temperature of fixative greatly influenced size of worms in permanent preparations, development in domestic mallard

Variation
Carter, R.; and Voller, A., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 371-376
Plasmodium falciparum, variations in electrophoretic forms of the enzymes glucose phosphate isomerase (GPI), lactate dehydrogenase (LDH) and 6-phosphogluconate dehydrogenase (6GPD) in isolates collected from various areas of Africa

Variation
Chauhan, P. P. S.; and Pande, B. P., 1972, Indian J. Animal Sc., v. 42 (11), 919-929
Paracooperia nodulosa, third- and fourth-stage larvae (future males and females) described, preadult and adult males and females described, morphological variations, buffalo calves

Variation
Chinone, S.; and Itagaki, H., 1976, Bull. Azabu Vet. Coll., v. 1 (2), 73-81
Eurytrema pancreaticum, development, morphological variations, "probable that some of the so-callen [sic] E. coelomaticum are nothing but a developing stage of E. pancreaticum."

Variation
Combes, C.; and Lambert, A., 1975, Ann. Parasitol., v. 50 (1), 25-37
Polystoma integerrimum, P. pelobatis, P. gallieni, swimming larvae, chaetotaxy, intra- and interspecific variation

Variation
Daengsvang, S., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 63-70
Gnathostoma vietnamicum, morphology and morphometric measurements show variation of cephalic hooklet rows on the head bulbs and few body cuticular spines, gross pathology in naturally infected Aonyx cinerea (urinary system) and preliminary experimental life cycle in Mesocyclops leuckarti and Trichopsis vittatus: Thailand

Variation
Daskalov, P., 1972, Izvest. Tsentral. Khelmint. Lab., v. 15, 49-56
Haemonchus contortus, morphological variation of linguiform females, cuticular inflations develop with increasing worm age but depend on worm reproductive activity rather than directly on age, occurrence of various forms of linguiform females does not depend on season, cuticular inflations should not be used as taxonomic characters since they are nonhereditary morphological variations

Variation
Euzet, L.; Combes, C.; and Batchvarov, G., 1974, Vie et Milieu, s. C, Biol. Terr., v. 24 (1), 129-139
Polystoma viridis n. sp., morphological comparison with P. integerrimum from Pyrenees and Bulgaria and with P. pelobatis from Languedoc, value of certain characters in taxonomy

Variation
Godfrey, D. G.; Kilgour, V.; and Na'Isa, B. K., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 270 [Abstract]
Trypanosoma vivax in Nigerian cattle, isoenzyme variations

Variation
Gorman, A. M., 1977, Parasitology, v. 75 (2), xxiv [Abstract]
Plagiorchis elegans, life cycle, intraspecific variation

Variation
Grabda-Kazubska, B.; and Ejsymont, L., 1969, Acta Parasitol. Polon., v. 17 (1-19), 65-87
Echinorhynchus borealis, morphology, morphological variation

Variation
Haas, G. E., 1973, Am. Midland Naturalist, v. 90 (1), 246-252
morphological variations, Siphonaptera of rodents: New Mexico

Variation
Hashiguchi, Y.; Kono, S.; and Hirai, H., 1976, J. Helminth., v. 50 (3), 178-179
Paragonimus ohirai metacercariae, morphological variation in relation to host species (Sesarma dehaani vs. S. haematocheir)

Variation
James, C.; and Webbe, G., 1975, J. Helminth., v. 49 (3), 191-197
Schistosoma haematobium in hamsters, comparison of South African and Sudanese strains: host mortality, recovery of adult worms, growth of worms, uterine egg counts, distribution of eggs in hamster tissues

Variation
Jones, A., 1975, J. Helminth., v. 49 (4), 251-261
Bothriocephalus scorpii, external feature of scolex and strobila, attachment and pathology, segmentation, morphology and sequence of development of reproductive organs, pseudoapolysis, ultrastructure of tegument, ultrastructure and histology of scolex, sense organs, littoral fishes: Wales

Variation
Kinsella, J. M.; and Heard, R. W., III, 1974, Tr. Am. Micr. Soc., v. 93 (3), 408-412
Stictodora cursitans, description, adult stage of Cercaria cursitans, morphology and life cycle, Florida salt marsh; "two types of genital spines found in this study"

Variation
Ko, R. C.; Lance, V.; and Duggan, R. T., 1975, Canad. J. Zool., v. 53 (8), 1181-1184
Hydrophitrema gigantica in Hydrophis cyanocinctus, prevalence and intensity of infection, seasonal distribution of size classes of worms, histopathology in lung: Hong Kong

Variation
Krasnolobova, T. A., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 64-71
Trematoda, bases of variation in morphology and size (environmental, seasonal, genetic, growth, host species, crowding, fixation techniques), review of experimental studies

Variation
Lambert, A., 1977, Ann. Parasitol., v. 52 (5), 493-505
Ancyrocephalus paradoxus oncomiracidium, description of ciliated cells, chaetotaxy, and haptorial armature; Dactylogyrus extensus oncomiracidium, description of ciliated cells; comparisons with Ergenstrema mugilis, Tetraonchus monenteron, Euzetrema knoepffleri, Diplectanum aequans, intrageneric and intraspecific variations, taxonomic implications

Variation
Lim, B. L., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 275-277 [Demonstration]
Angiostrongylus malaysiensis, comparisons and variations in adult worms from 3 regions of Western Malaysia

Variation
Long, P. L.; Millard, B. J.; and Shirley, M. W., 1977, Parasitology, v. 75 (2), 177-182
Eimeria meleagrimitis from turkeys, oocyst measurements, sporulation and prepatent times, pathogenicity, cross-immunity tests, electrophoretic analysis of enzymes, documentation of strain variation shows that extreme caution should be used in identifying species of Eimeria from the turkey by their oocyst characters

Variation
Mack, J. K.; and Birova, V., 1976, Biologia, Bratislava, s. B, Zool. (1), v. 31 (2), 91-103
Heterakis gallinarum, variations in tail length, numbers of caudal papillae, positions of caudal papillae, configuration of alae; various phenotypes, significance in helminthological systematics

Variation
Madden, P. A.; and Tromba, F. G., 1976, J. Parasitol., v. 62 (2), 265-271
Ascaris suum adults of known ages recovered from pigs experimentally infected with eggs from the same stock, variation in number, size, and shape of lip denticles, concluded that denticles are functional and become worn through use

Variation
Marchand, B.; and Mattei, X., 1976, J. Ultrastructure Research, v. 55 (3), 391-399
Acanthosentis tilapiae, spermatozoon, variation in number of central fibers in flagellum

Variation
Mayes, M. A.; and Johnson, C. A. III, 1975, J. Parasitol., v. 61 (6), 1050-1052
Urocleidus rogersi, variations in accessory piece morphology

Variation
Michel, J. F.; Lancaster, M. B.; and Hong, C., 1973, J. Comp. Path., v. 83 (3), 351-356
Ostertagia ostertagi, variation within a population with respect to inhibited development, progeny of worms whose development had been arrested had a greater propensity for interrupted development than progeny of worms whose development had not been arrested, cattle

Variation
Miyata, A., 1976, Nettai Igaku (Trop. Med.), v. 18 (3), 125-134
Trypanosoma rotatorium, survey, incidence in frogs and tadpoles, morphological variations

Variation
Musaev, M. A.; and Ismailov, S. G., 1976, Izvest. Akad. Nauk Azerbaidzhan. SSR, s. Biol. Nauk (6), 71-75
Eimeria arabiana, various infectious doses, variability of measurements and shape of oocysts, variation in length of patent period

Variation
Nowosad, A., 1975, Polskie Pismo Entom., v. 45 (2), 239-249
Nycteribia kolenatii, morphological variation

Variation
Oliver, J. H., jr.; and Herrin, C. S., 1976, J. Parasitol., v. 62 (3), 475-484
Haemaphysalis longicornis, differential morphological variation in relation to reproduction method (bisexual vs. parthenogenetic), sex, and chromosomal ploidy level

Variation
Pence, D. B.; and Casto, S. D., 1976, J. Med. Entom., v. 13 (1), 71-95
Ptilonyssus sairae, taxonomic status, comparative morphology, variation

Variation
Rollinson, D., 1976, Parasitology, v. 73 (2), iv [Abstract]
Eimeria mivati, E. acervulina, electrophoretic forms of enzymes, high frequency of interspecific variation, crosses produce strains characterized by glucose phosphate isomerase-2 (characteristic of E. acervulina) and ability to passage in eggs (E. mivati), results support Long's view that E. mivati Houghton isolate belongs to species E. acervulina

Variation
Ross, G. C., 1976, Comp. Biochem. and Physiol., v. 55 (3B), 343-346
Schistosoma spp., isoenzymes, lactate dehydrogenase, malate dehydrogenase, acid phosphatase, isoelectric focusing in polyacrylamide gel, possible applications in taxonomy and diagnosis, factors considered in assessing results (include age and sex of parasite, host relationships, etc.)

Variation
Schantz, P. M.; et al., 1976, Tropenmed. u. Parasitol., v. 27 (1), 70-78
significance of infectivity survey of domestic animals and wild carnivores as potential reservoir hosts of Echinococcus granulosus in Argentina, host-induced morphologic variations

Variation
Shirley, M. W.; Millard, B. J.; and Long, P. L., 1977, Parasitology, v. 75 (2), 165-176
Eimeria acervulina var. diminuta and Eimeria acervulina var. mivati compared, growth in vitro, response to anticoccidial drugs, electrophoretic mobility profiles of four enzymes

Variation
Sucharit, S.; and Macdonald, W. W., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (4), 577-578 [Demonstration]
Brugia pahangi females, intra-species variations in measurements of vulva opening

Variation
Testa, J.; and Dailey, M. D., 1977, Bull. South. Calif. Acad. Sc., v. 76 (2), 99-110
Phyllobothrium delphini in marine mammals, description of 5 new cyst morphotypes, measurements compared with existing morphotypes, zoogeography; results indicate that P. delphini and Monorygma grimaldii should maintain separate generic status and that P. delphini may represent more than one species

Variation
Toye, P. J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (2), 147 [Abstract]
Trypanosoma cruzi, isoenzyme variation in culture isolates

Variation
Warren, M.; et al., 1964, Med. J. Malaya, v. 19 (1), 31
Plasmodium fieldi, morphological variations, Macaca spp.

Vectors. [See also Disease transmission; Epidemiology; Epizootiology]

Vectors
Ash, L. R., 1976, Rev. Biol. Trop., v. 24 (1), 163-174
Angiostrongylus cantonensis in mollusks and planarians occurring in market gardens supplying fresh produce; marked seasonal occurrence of planarians during cool months corresponds to peak vegetable growing season, important source of human infection: near Noumea, New Caledonia

Vectors
Chesnova, L. V., 1974, [Problems of general entomology. Development of the theory of transmission], 208 pp., illus.
development of theory of arthropod transmission of disease, extensive historical review

Vectors
Invert. Immun. (Maramorosch and Shope), 1975, 365 pp.
workshop on invertebrate defense mechanisms

Vectors
Wade, J. O., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 113-120
design for arthropod membrane feeding unit embodying electrical stirring device to insure even erythrocyte distribution throughout blood during feeding period

Vectors, Acarina
Al-Janabi, B. M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 284 [Demonstration]
Amblyomma variegatum, Hyalomma anatolicum excavatum, transmission of Nocardia farcinica from rabbit to rabbit

Vectors, Acarina
Arthur, D. R., 1973, J. Wildlife Dis., v. 9 (1), 74-84
tick-host-disease relationships, review

Vectors, Acarina
Aspoeck, H., 1976, Anz. Schadlingsk., v. 49 (11), 164-166
Ixodes ricinus, arthropod-borne infections in man, current problems, review: Central Europe

Vectors, Acarina
Bain, O.; and Quentin, J. C., 1977, Ann. Parasitol., v. 52 (5), 569-575
Dipetalonema weissi, adult morphology, larval development in Ornithodoros erraticus (exper.), comparison with D. viteae

Vectors, Acarina
Bancroft, W. H.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (3), 500-504
Haemaphysalis papuana, isolation of Langat virus: Thailand

Vectors, Acarina
Banerjee, K.; and Bhat, H. R., 1977, Indian J. Med. Research, v. 66 (2), 175-179
correlation between numbers of persons infected with Kyasanur forest disease and intensity of infection in the local tick vectors, intensity in Haemaphysalis spinigera very significant while that of H. turturis is of little importance: India

Vectors, Acarina
Banerjee, K.; Guru, P. Y.; and Dhanda, V., 1977, Indian J. Med. Research, v. 66 (4), 530-536
Haemaphysalis spinigera, attempts to grow various arboviruses in cell cultures derived from tick tissue; best results with viruses known or thought to be tick transmitted

Vectors, Acarina
Bansal, G. C.; Gaur, S. N. S.; and Shah, H. L., 1977, Pantnagar J. Research, v. 2 (2), 244-246
Theileria annulata, survey of cattle and buffaloes, low prevalence and lack of symptoms indicate resistance and carrier status; cross transmission experiments from calf with Hyalomma anatolicum as vector: successful only with calves, unsuccessful with guinea-pigs, rabbits and kids: Nainital Tarai

Vectors, Acarina
Bazlikova, M.; et al., 1977, Immun. u. Infekt., v. 5 (4), 167
Dermacentor marginatus, isolation of rickettsia of spotted fever group: Tirol, Austria

Vectors, Acarina
Benach, J. L.; et al., 1977, Am. J. Epidemiol., v. 106 (5), 380-387
Dermacentor variabilis, vector of Rocky Mountain spotted fever in humans, tick and area survey to assess changing patterns in the incidence of infections on Long Island, New York

Vectors, Acarina
Berry, R. L.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 992-998
arthropods collected and tested as carriers of California encephalitis, negative for virus isolations: Gambier, Ohio

Vectors, Acarina
Bhat, H. R.; et al., 1976, Indian J. Med. Research, v. 64 (11), 1566-1570
Haemaphysalis kyasanurensis on Hystrix indica, possible role as vector of KFD [Kyasanur Forest disease] virus

Vectors, Acarina
Bianco, A. E., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 429 [Demonstration]
Ackertia globulosa in Meriones unguiculatus, a new rodent filaria as possible model for studying diagnostic techniques and chemotherapy for onchocerciasis, Haemaphysalis leachi apparently natural vector for Ackertia globulosa

Vectors, Acarina
Bianco, A. E.; and Muller, R. L., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 383 [Demonstration]
Haemaphysalis leachii leachii as vector of Ackertia globulosa for rodent hosts, tick attachment and adaptations in both tick and nematode life cycles which enable tick to serve as vector

Vectors, Acarina
Blaskovic, D.; and Nosek, J., 1972, Progr. Med. Virol., v. 14, 275-320
tick-borne encephalitis, epidemiology and public health importance, ecologic study of ticks, their mammalian hosts and means of disease control: Tribec area

Vectors, Acarina
Bourgeois, A. L.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 338-342
Leptotrombidium deliense as vector of scrub typhus among Chinese military personnel in the Pescadores Islands of Taiwan

Vectors, Acarina
Boyer, K. M.; et al., 1977, Am. J. Epidemiol., v. 105 (5), 469-479
Ornithodoros hermsi implicated as vector of relapsing fever in interstate outbreak originating at Grand Canyon National Park, North Rim area, Arizona

Vectors, Acarina
Brocklesby, D. W.; Morzaria, S. P.; and Harradine, D. L., 1975, Tropenmed. u. Parasitol., v. 26 (3), 295-302
Theileria mutans in cattle (exper.), experimental transmission by Haemaphysalis punctata, only transstadial transmission occurred, and after 7 passages there was no evidence of increased virulence

Vectors, Acarina
Brocklesby, D. W.; and Sellwood, S. A., 1973, Research Vet. Sc., v. 14 (1), 47-52
Haemaphysalis punctata collected from vegetation in Kent and Essex transmitted Babesia major to splenectomised calves, infections produced were relatively mild, Babesia major is not a likely cause of disease in British cattle

Vectors, Acarina
Brossard, M., 1976, Rev. Suisse Zool., v. 83 (2), 443-462
Ixodes ricinus, role as vector of Babesia bovis of cattle, distribution, cattle have antibody against I. ricinus saliva, exper. vector of B. berbera and B. argentina: Low Plain of the Rhone, Switzerland

Vectors, Acarina
Burgdorfer, W., 1975, J. Med. Entom., v. 12 (3), 269-278
Rocky Mountain spotted fever, history, incidence, tick vectors, clinical aspects, epidemiology, control, extensive review

Vectors, Acarina
Burridge, M. J., 1975, J. Wildlife Dis., v. 11 (1), 68-75
bovine theileriasis, role of wild mammals in epidemiology, review: East Africa

Vectors, Acarina
Butler, M. C., 1975, State Vet. J., Min. Agric., Fish. and Food (90), v. 30, 279-283
Dermatophilus congolense outbreak, transmitted by Amblyomma variegatum to cattle, sheep and goats: St. Lucia, West Indies

Vectors, Acarina
Callow, L. L., 1976, World Animal Rev. (18), 9-15
Anaplasma centrale, Babesia argentina, B. bigemina, cattle, factors in transmission by Boophilus microplus, immunization with strains from splenectomized calves, review: Australia

Vectors, Acarina
Callow, L. L.; et al., 1976, Austral. Vet. J., v. 52 (10), 446-450
Babesia argentina, unvaccinated cattle, serological testing by indirect fluorescent antibody, strong correlation between infection rate and incidence of Boophilus microplus: southeastern Queensland

Vectors, Acarina
Campbell, R. W.; and Domrow, R., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 397-402
positive identification of Leptotrombidium deliense as vector of scrub typhus and Ixodes holocyclus (and possibly I. tasmani) as vectors of Queensland tick typhus in Australia

Vectors, Acarina
Carley, J. G.; Standfast, H. A.; and Kay, B. H., 1973, J. Med. Entom., v. 10 (3), 244-249
Ornithodoros capensis, isolation of Johnston Atoll and Upolu viruses, viruses from ticks failed to multiply in mosquitoes: Australia

Vectors, Acarina
Converse, J. D.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 411-412 [Letter]
Amblyomma variegatum, isolation of Dugbe virus from ticks removed from cattle in abbatoir: Cameroun

Vectors, Acarina
Converse, J. D.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 1010-1018
Ornithodoros capensis, vector of Soldado virus: Seychelles, Indian Ocean

Vectors, Acarina
Cordero del Campillo, M.; et al., 1974, Rev. Iber. Parasitol., v. 34 (3-4), 305-315
case history, horse infected with E[rysipelothrix] insidiosa to produce hyperimmune serum, rapid death from Babesia, considered to be activation of carrier state; possible tick vectors reviewed: Leon (N.W. Spain)

Vectors, Acarina
Coultrip, R. L.; et al., 1973, J. Med. Entom., v. 10 (3), 303-309
fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated: Fort Ord, California

Vectors, Acarina
Crawford, K. L., 1971, Maryland State Med. J., v. 20 (11), 95-96
diagnostic differentiation of common ticks of Maryland, ticks as disease vectors, control and treatment measures

Vectors, Acarina
Dalgliesh, R. J.; and Stewart, N. P., 1977, Austral. Vet. J., v. 53 (9), 429-431
Babesia bovis, failure of vaccine strains to regain infectivity for Boophilus microplus during long-standing infections in cattle, concluded that the number and frequency of blood passages performed with a strain may determine its infectivity for ticks

Vectors, Acarina
Daubney, R.; and Mahlau, E. A., 1967, Research Vet. Sc., v. 8 (3), 375-397
Hyalomma a. anatolicum, Rhipicephalus bursa, equine encephalomyelitis virus isolated from ticks: Near East

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Vectors, Acarina
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Vectors, Acarina
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Vectors, Acarina
Roberts, L. W.; and Ram, S., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 271 [Demonstration]
Leptotrombidium akamushi, microdissection technique to study scrub typhus disease cycle in the vector mite including screening of potential mite vectors for presence of rickettsial infection and comparative morphologic studies of internal organs of mites

Vectors, Acarina
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Vectors, Acarina
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geographic, seasonal and host distribution of suspected tick vectors and correlation with reported cases of Rocky Mountain spotted fever: California

Vectors, Acarina
Ruebush, T. K. II.; et al., 1977, Ann. Int. Med., v. 86 (1), 6-9
Babesia microti infections in humans, 5 case reports, successful treatment with chloroquine phosphate; Ixodes scapularis probably major vector in area: Nantucket Island

Vectors, Acarina
Saikku, P., 1974, Med. Biol., v. 52 (2), 98-103
role of Ixodes ricinus ticks collected from passerine birds in the ecology and spread of Uukuniemi virus: Finland

Vectors, Acarina
Saikku, P.; and Brummer-Korvenkontio, M., 1975, Med. Biol., v. 53 (5), 317-320
Ixodes ricinus, vector of tick-borne encephalitis and Uukuniemi viruses: Finland

Vectors, Acarina
St. George, T. D.; et al., 1977, Austral. J. Exper. Biol. and Med. Sc., v. 55 (5), 493-499
Ornithodoros capensis, Ixodes eudyptidis, isolation of new flavivirus: Australia

Vectors, Acarina
Samish, M., 1977, J. Protozool., v. 24 (4), 67A-68A [Abstract]
Theileria annulata, transmission by Hyalomma excavatum, high temperature and humidity may cause uninfective particles in unfed ticks to change into infective ones

Vectors, Acarina
Samish, M.; Pipano, E.; and Tsafrir, N., 1975, J. Protozool., v. 22 (3), 73A [Abstract]
Theileria annulata, exper. transmission to cattle by Hyalomma detritum

Vectors, Acarina
Schreuder, B. E. C.; and Uilenberg, G., 1976, Tropenmed. u. Parasitol., v. 27 (4), 422-426
technique for infecting ticks (Amblyomma variegatum and Rhipicephalus appendiculatus) with cattle Theileriidae by injecting bovine blood with high parasitemia through cuticle into fully engorged nymphs, after moulting ticks transmitted parasite to susceptible calf

Vectors, Acarina
Schulz-Key, H., 1975, Tropenmed. und Parasitol., v. 26 (4), 494-498
Ixodes ricinus, probable vector of Wehrdikmansia rugosicauda in Capreolus capreolus of Southern Germany

Vectors, Acarina
Seneviratna, P.; Weerasinghe, N.; and Ariyadasa, S., 1973, Research Vet. Sc., v. 14 (1), 112-114
Haemobartonella canis, transmission to splenectomised dogs by all stages of Rhipicephalus sanguineus, stage-to-stage as well as transovarial transmission

Vectors, Acarina
Shirai, A.; and Wisseman, C. L., jr., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 145-153
no correlation between antigenic type of etiologic strain or geographic distribution of scrub typhus isolates and their chigger vectors

Vectors, Acarina
Sonenshine, D. E., 1975, Misc. Publication Entom. Soc. Am., v. 9 (5), 243-249
population dynamics, influence of host-parasite interactions, Ixodes ricinus in relation to tick-borne encephalitis; Dermacentor variabilis in relation to Rocky Mountain spotted fever, review

Vectors, Acarina
Sonenshine, D. E.; and Clifford, C. M., 1973, J. Med. Entom., v. 10 (5), 497-502
Ixodes dentatus, Haemaphysalis leporispalustris, incidence of Rocky Mountain spotted fever in ticks infesting birds; tick-host relationships between Piedmont and eastern coastal area compared

Vectors, Acarina
Spielman, A., 1976, Am. J. Trop. Med. and Hyg., v. 25 (6), 784-787
seasonal distribution of Ixodes scapularis, the most abundant tick on Peromyscus leucopus on Nantucket Island, demonstration of competence as vector of Babesia microti derived from human infection recently acquired near study site (exper. hamster to hamster transmission)

Vectors, Acarina
Sreenivasan, M. A.; and Bhat, H. R., 1976, Indian J. Med. Research, v. 64 (4), 568-572
Ixodes petauristae as probable vector of Kyasanur forest disease virus in common tree-hole rodents (Vandeleuria oleracea)

Vectors, Acarina
Srivastava, P. S.; and Sharma, N. N., 1976, Indian J. Animal Research, v. 10 (1), 21-26
Hyalomma anatolicum anatolicum, laboratory rearing and maintenance on rabbits and cattle, maintenance of Theileria annulata in ticks for transmission experiments

Vectors, Acarina
Srivastava, P. S.; and Sharma, N. N., 1976, Internat. J. Radiation Biol., v. 29 (2), 159-168
Hyalomma anatolicum, effects of ^{60}Co irradiation on development; 1000 R to ticks infected with Theileria annulata failed to prevent transmission to calves

Vectors, Acarina
Stefanov, V.; Matev, I.; and Balimezov, I., 1975, Vet. Med. Nauki, v. 12 (5), 45-50
Argas persicus, vectors of pullorum disease

Vectors, Acarina
Stiller, D.; Sivanandam, S.; and Abu Hassan, R. B., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 447-448 [Demonstration]
larval nematodes from Ornithodoros batuensis (hemocoele), a tick host-specific for the cave fruit bat (Eonycteris spelaea), search for possible transmission to bats unsuccessful: Dark Cave, Batu Caves, Kuala Lumpur

Vectors, Acarina
Stiller, D.; Sivanandam, S.; and Abu Hassan, R. B., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (1), 132-133 [Demonstration]
Brugia malayi, B. pahangi, failure to develop beyond microfilarial stage in nymphs of Haemaphysalis nadchatrami fed on infected cats

Vectors, Acarina
Svahn, K., 1975, Norwegian J. Zool., v. 23 (4), 277-295
Sauronyssus saurarum, life cycle, successful transmission of Karyolysus [spp.] to lizards

Vectors, Acarina
Svahn, K., 1976, Norwegian J. Zool., v. 24 (1), 1-6
Ixodes ricinus as possible transmitter of Sauroplasma boreale sp. n.

Vectors, Acarina
Theis, J. H.; et al., 1976, J. Med. Entom., v. 13 (1), 26-39
Rhipicephalus sanguineus feeding on dog, inflammation area, changes in flow rate of cells and total protein content of draining lymph, age and size of dogs, importance in disease transmission

Vectors, Acarina
Thoene, A. W., 1975, Nederl. Tijdschr. Geneesk., v. 119 (24), 957-959
Ixodes ricinus, probable vector of erythema chronicum migrans and meningoencephalitis in man; parasitization of man by adult and larval forms: Netherlands

Vectors, Acarina
Thomas, L. A.; et al., 1973, J. Med. Entom., v. 10 (2), 165-168
Ixodes uriae, isolation of 36 viruses comprising 4 serological groups from ticks collected in seabird nesting sites: Three Arch Rocks National Wildlife Refuge and Yaquina Head, Oregon

Vectors, Acarina
Thompson, K. C., 1976, Vet. Parasitol., v. 2 (2), 223-229
Boophilus microplus, establishment and maintenance of colony free of infection with Anaplasma marginale and Babesia spp., subsequent infection with pure isolate of Babesia bigemina; description of life cycle of Boophilus microplus

Vectors, Acarina
Tovornik, D., 1970, Acta Parasitol. Iugoslavica, v. 1 (1-2), 103-106
tick fauna in foci of Central European Encephalitis; list of tick species found on birds: Yugoslavia

Vectors, Acarina
Traavik, T.; and Mehl, R., 1975, Med. Biol., v. 53 (5), 321-324
Ixodes uriae, review of tick-borne viruses: Norway

Vectors, Acarina
Trapido, H.; and Sanmartin, C., 1971, Am. J. Trop. Med. and Hyg., v. 20 (4), 631-641
Gigantolaelaps sp., G. inca and Ixodes tropicalis positive for isolates of Pichinde virus when removed from viremic host Oryzomys albigularis; probably represents virus survival rather than indication of arthropod vectors: Colombia

Vectors, Acarina
Traub, R.; et al., 1977, Proc. 15. Internat. Cong. Entom. (Washington, D.C., Aug. 19-27, 1976), 487-489
Leptotrombidium deliense-group, ecology of chigger-borne rickettsiosis and murine typhus

Vectors, Acarina
Tsafrir, N.; Pipano, E.; and Hadani, A., 1973, J. Protozool., v. 20 (4), 534
Hyalomma detritum was able to transmit Theileria annulata regardless of mode of infection of calves on which fed during preimaginal stage (natural tick transmission vs. blood inoculation from acutely or chronically infected calves)

Vectors, Acarina
Uilenberg, G., 1976, World Animal Rev. (17), 8-15
babesiasis, theileriasis, anaplasmosis, epizootiology of tick-borne diseases, review

Vectors, Acarina
Uilenberg, G.; Robson, J.; and Pedersen, V., 1974, Tropenmed. u. Parasitol., v. 25 (2), 207-216
Amblyomma variegatum, successful transstadial transmission of Theileria mutans, doubtful transmission of Theileria parva; Rhipicephalus appendiculatus, successful transmission of Theileria parva but transmission of Theileria mutans needs confirmation

Vectors, Acarina
Uilenberg, G.; and Schreuder, B. E. C., 1976, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 29 (2), 119-126
Haematoxenus separatus, course of infection in splenectomized sheep, experimental transmission by ticks, unsuccessful experimental attempt to transmit to splenectomized goat by injection of infected sheep blood
Rhipicephalus evertsi (exper.)

Vectors, Acarina
Uilenberg, G.; and Schreuder, B. E. C., 1976, Tropenmed. u. Parasitol., v. 27 (1), 106-111
successful transstadial transmission of Haematoxenus veliferus by Amblyomma variegatum in exper. cattle; Theileria mutans and rickettsial organism transmitted at the same time

Vectors, Acarina
Uilenberg, G.; and Schreuder, B. E. C., 1977, Tropenmed. u. Parasitol., v. 28 (2), 181-184
Rhipicephalus evertsi, successful transmission of Theileria parva from engorged nymphs to cross-bred steers (exper.) confirms the potential of R. evertsi as vector of East Coast fever; similar trials with Amblyomma variegatum were unsuccessful

Vectors, Acarina
Uilenberg, G.; Schreuder, B. E. C.; and Mpangala, C., 1976, Tropenmed. u. Parasitol., v. 27 (3), 323-328
Theileria mutans, successful experimental transmission to cattle by Amblyomma variegatum; attempted transmission using Rhipicephalus appendiculatus unsuccessful in 7 trials, suggests possibility that T. mutans in East Africa is different species from that of South Africa

Vectors, Acarina
Van Peenen, P. F. D.; et al., 1976, J. Parasitol., v. 62 (4), 653-654
hyperendemic focus of scrub typhus, correlation of chigger (Leptotrombidium deliense) abundance with temperature rather than with rainfall: Pescadores Islands, near Taiwan

Vectors, Acarina
Varma, M. G. R.; et al., 1973, Nature (5416), v. 244, 452
Ornithodoros muesebecki, isolation of new arbovirus, possible aetological agent of illness in man: Zirqa, off coast of Abu Dhabi

Vectors, Acarina
Varma, M. G. R.; and Converse, J. D., 1976, J. Med. Entom., v. 13 (1), 65-70
Keterah virus infections in Argas spp.

Vectors, Acarina
Vassilenko, V.; and Ioks, S., 1975, Med. Biol., v. 53 (5), 312-316
Ixodes ricinus, I. persulcatus, investigations of tick-borne viruses in Estonia

Vectors, Acarina
Vesenjak-Hirjan, J.; et al., 1977, Am. J. Trop. Med. and Hyg., v. 26 (5, part 1), 1003-1008
Haemaphysalis punctata, 2 strains of Bhanja virus isolated from ticks removed from sheep on the island of Brac in Yugoslavian Adriatic

Vectors, Acarina
Wada, E. M.; et al., 1976, Am. J. Vet. Research, v. 37 (10), 1201-1206
Ornithodoros coriaceus, virus isolated from ticks and tick-exposed cattle

Vectors, Acarina
Wike, D. A.; and Burgdorfer, W., 1972, Infect. and Immun., v. 6 (5), 736-738
Dermacentor andersoni, technique for direct isolation of Rickettsia rickettsi from tick hemolymph by means of plaque assay technique in primary chicken embryo tissue cultures

Vectors, Acarina
Wilkinson, P. R.; and Garvie, M. B., 1975, J. Med. Entom., v. 12 (4), 480
Dermacentor variabilis and Haemaphysalis leporispalustris feeding concurrently on Lepus americanus struthopus, possibility of birds or rodents ingesting infected ticks, implications for circulation of Rocky Mountain spotted fever rickettsiae between bird-Haemaphysalis-lagomorph cycle and rodent-Dermacentor-larger mammal cycle: near Caledonia, Nova Scotia

Vectors, Acarina
Williams, R. E.; et al., 1973, J. Med. Entom., v. 10 (2), 143-146
Hyalomma impeltatum, H. a. anatolicum, H. dromedarii, vectors of Wanowrie, Thogoto, and Dhori viruses, respectively; camels implicated as disseminator of arboviruses via infected ticks: Egypt

Vectors, Acarina
Worley, D. E.; Jacobson, R. H.; and Barrett, R. E., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 19-22
Moniezia expansa, sheep, seasonal cycle of tapeworm acquisition on summer ranges apparently results from mass exposure of lambs to range vegetation contaminated by overwintering infected oribatid mites: Montana; Idaho

Vectors, Acarina
Wroblewska-Mularczykowa, Z.; Zukowski, K.; and Nawrocka, E., 1972, Med. Dosw. i Mikrobiol., v. 24 (2), 133-140
Dermacentor pictus, rabbits, guinea pigs, transovarial and transphase encephalitis virus transmission, successful laboratory trials

Vectors, Acarina
Young, A. S.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (2), 185-194
successful transmission of Theileria parasites from eland (Taurotragus oryx) to cattle by feeding Rhipicephalus appendiculatus and R. pulchellus on them; cattle recovered from infections produced antibodies to Theileria sp. (eland) and T. sp. (Githunguri) previously also recovered from cattle, indications that the 2 species may be related and possibly represent a new species infective for cattle

Vectors, Acarina
Young, A. S.; and Purnell, R. E., 1973, Trop. Animal Health and Prod., v. 5 (3), 146-152
tick (Rhipicephalus appendiculatus) transmission of Theileria lawrencei (Serengeti) from buffalo to cattle and between intact cattle (Bos taurus), difficult to produce infective stabilates

Vectors, Acarina
Yunker, C. E., 1975, Med. Biol., v. 53 (5), 302-311
review of tick-borne viruses associated with seabirds in North America and near-by islands

Vectors, Acarina
Yunker, C. E.; et al., 1973, J. Med. Entom., v. 10 (3), 264-269
Ixodes uriae, vector of Yaquina Head virus: St. Lawrence Island, Alaska; Yaquina Head, Oregon

Vectors, Crustacea
Banerjee, D.; Prakash, O.; and Nayar, E., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 681-682 [Letter]
Ancylostoma caninum in cyclops (exper.), larvae remain viable for 2-3 days, possible natural vector

Vectors, Crustacea
Cabrera, B. D., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 55-62
Paragonimus westermani, assessment of metacercarial load and organ preference for lodgement of parasites in vector crustaceans (Parathelphusa grapsoides): province of Leyte, Philippines

Vectors, Crustacea
Cabrera, B. D., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 602
mammalian Paragonimus, crab intermediate host (Parathelphusa grapsoides) in the Philippines and Indonesia renamed Sundathelphusa philippina

Vectors, Crustacea
Davies, A. J.; and Johnston, M. R. L., 1976, J. Protozool., v. 23 (2), 315-320
Haemogregarina bigemina in Blennius pholis, incidence in relation to length of host, structure and development, no evidence for leech Oceanobdella blennii as vector, circumstantial evidence for Gnathia maxillaris as vector: Wales

Vectors, Crustacea
Holmes, J. C.; and Bethel, W. M., 1972, Zool. J. Linn. Soc., London, v. 51, Suppl. 1, 123-149
parasite modification of intermediate host behavior in order to increase vulnerability of intermediate host to predation by definitive host; reversal of phototaxis by cystacanths of Polymorphus paradoxus produces altered evasive response in Gammarus lacustris vectors which in turn increases vulnerability of infected vectors to ingestion by mallard duck hosts

Vectors, Crustacea
Katamine, D.; et al., 1972, Nettai Igaku (Trop. Med.), v. 14 (4), 186-197
Paragonimus in humans, epidemiologic survey of village inhabitants and vector crabs (Eriocheir japonicus), higher incidence of Metagonimus yokogawai infection than paragonimiasis in villagers; Hata District, Kochi Prefecture, Japan

Vectors, Crustacea
Olson, R. E., 1976, J. Protozool., v. 23 (1), 158-164
Glugea stephani in Parophrys vetulus, incidence and intensity of infection in different months, field and laboratory infections only occurred at temperatures above 15 C, successful transmission by Artemia salina or Corophium spinicorne vectors as well as direct ingestion of spores, heavy infections are potentially lethal: upper Yaquina Bay estuary, Oregon

Vectors, Crustacea
Pearre, S., jr., 1976, J. Marine Biol. Ass. United Kingdom, v. 56 (2), 503-513
hemiurid larvae, gigantism and partial parasitic castration of Sagitta spp., incidence, seasonal distribution, copepod prey Paracalanus sp. possible vector of infection: off Spanish Mediterranean coast

Vectors, Crustacea
Velasquez, C. C., 1975, J. Parasitol., v. 61 (5), 910-914
Carneophallus brevicaeca comb. n., life cycle, role of Macrobrachium sp. as vector for human infection in areas where raw shrimp are consumed: Philippines

Vectors, Crustacea
Voelker, J.; and Sachs, R., 1977, Tropenmed. u. Parasitol., v. 28 (1), 120-133
Paragonimus africanus, P. uterobilateralis, distribution determined by examination of intermediate crab hosts for infection with metacercariae: West-Kamerun; Ost-Nigeria

Vectors, Fleas. See Vectors, Insecta.

Vectors, Flies. See Vectors, Insecta.

Vectors, Helminths
Desser, S. S.; and Yang, Y. J., 1976, Canad. Med. Ass. J., v. 114 (4), 290-291
Dientamoeba fragilis infection in child resulting in severe intestinal symptoms, diagnosis only after multiple fecal examinations, diphetarsone treatment; possible role of Enterobius vermicularis as vector of Dientamoeba fragilis in human infections

Vectors, Helminths
Kemp, R. L.; and Franson, J. C., 1975, Avian Dis., v. 19 (4), 741-744
Histomonas meleagridis, experimental transmission to chickens and turkeys by earthworms recovered from pheasant yard soil; earthworms may serve as transport hosts for Heterakis eggs and thus ultimately for H. meleagridis

Vectors, Helminths
Lara Aguilera, R.; and Bernal, R. M., 1974, Bol. Med. Hosp. Inf., v. 31 (4), 779-784
Balantidium coli, dysentery in young children, frequent association with Trichuris trichiura infections in endemic areas, case reports, metronidazole: Mexico

Vectors, Helminths
Lee, Y. C.; et al., 1976, J. Chinese Soc. Vet. Sc., v. 2 (1), 40-43
Ascaridia galli eggs, Citrobacter fruendii isolated, failure to recover Salmonella pullorum from worm eggs after artificial infection of chickens

Vectors, Helminths
Lee, Y. C.; and Liu, C. C., 1976, J. Chinese Soc. Vet. Sc., v. 2 (2), 59-61
Ascaris suum eggs, isolation of Escherichia coli, Alcaligenes faecalis and Pseudomonas aeruginosa

Vectors, Helminths
Lee, Y. C.; Liu, C. K.; and Liu, C. C., 1975, J. Chinese Soc. Vet. Sc., v. 1 (2), 79-82
Ascaridia galli eggs did not transmit Salmonella pullorum from chickens

Vectors, Helminths
Lund, E. E.; and Chute, A. M., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 73-76
larval Heterakis gallinarum, reciprocal transfer between Phasianus colchicus and Coturnix coturnix japonica, influence of early development in incompatible host on subsequent development; effect on liberation of Histomonas meleagridis and Parahistomonas wenrichi and transmission of H. meleagridis

Vectors, Helminths
Lund, E. E.; and Chute, A. M., 1975, J. Protozool., v. 22 (3), 27A-28A [Abstract]
Parahistomonas wenrichi, factors in transmission by Heterakis gallinarum

Vectors, Helminths
Mantovani, A.; et al., 1972, Parassitologia, v. 14 (1), 149-162
Strongyloides papillosus larvae transmit the bacteria Sphaerophorus necrophorus to rabbits and spread it to host lungs by migration

Vectors, Helminths
Mantovani, A.; et al., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 569-570
role of Strongyloides papillosus larvae in penetration and spread of Sphaerophorus necrophorus in rabbits

Vectors, Helminths
Nalin, D. R.; and McLaughlin, J., 1976, J. Parasitol., v. 62 (5), 839-841
Ascaris lumbricoides adults found to be colonized by Vibrio cholerae when isolated from cholera patients: Bangladesh

Vectors, Helminths
Ockert, G.; and Schmidt, T., 1976, J. Hyg., Epidemiol., Microbiol. and Immunol., v. 20 (1), 76-81
Enterobius vermicularis, confirmation as vector of Dientamoeba fragilis

Vectors, Helminths
Preston, K. S.; and Switzer, W. P., 1976, Vet. Microbiol., v. 1 (1), 15-18
failure of Metastrongylus spp.-infected earthworms to transmit mycoplasmal pneumonia to swine; failure of Metastrongylus to produce antibody titers against mycoplasma pneumonia or to produce pneumonic lesions

Vectors, Helminths
Yang, J.; and Scholten, T., 1977, Am. J. Trop. Med. and Hyg., v. 26 (1), 16-22
Dientamoeba fragilis in humans, extensive epidemiologic survey, pathology, fecal examination diagnostic methods, periodicity, frequent occurrence in presence of Enterobius vermicularis suggests possibility of helminths as vectors: Toronto, Canada

Vectors, Helminths
Young, S. W.; Hagashi, G.; and Kamel, R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 437 [Demonstration]
Schistosoma mansoni from 2 patients with chronic salmonellosis, tegumental colonization of schistosomes by Salmonella paratyphi A

Vectors, Hirudinea
Davies, A. J.; and Johnston, M. R. L., 1976, J. Protozool., v. 23 (2), 315-320
Haemogregarina bigemina in Blennius pholis, incidence in relation to length of host, structure and development, no evidence for leech Oceanobdella blennii as vector, circumstantial evidence for Gnathia maxillaris as vector: Wales

Vectors, Hirudinea
Letch, C. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 380-381 [Demonstration]
Hemiclepsis marginata as vector of fish trypanosomes in River Lee; isoenzyme techniques for characterization of isolated fish trypanosomes supports finding that all should be classified as single species

Vectors, Hirudinea
McAuliffe, J. R., 1977, J. Parasitol., v. 63 (3), 580-581
Haemogregarina, varying infection levels in Chrysemys picta bellii, Chelydra serpentina, and Emydoidea blandingii may be a function of their basking behavior which affects incidence of parasitism by the presumed leech vector Placobdella parasitica: Nebraska Sandhills

Vectors, Hirudinea
Nigrelli, R. F.; Pokorny, K. S.; and Ruggieri, G. D., 1975, J. Protozool., v. 22 (3), 43A [Abstract]
Piscicola funduli infesting Opsanus tau as apparent transmitting agent for Trypanoplasma sp. nov.: Long Island Sound

Vectors, Insecta
Adam, J. P.; and Landau, I., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 5-6 [Demonstration]
Penicillidia fulvida as vector of Polychromophilus sp., parasite of insectivorous bats: caves in Congo-Brazzaville

Vectors, Insecta
Akiyama, J., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 14-15 [Demonstration]
human malaria, studies of Anopheles vector mosquitoes to establish patterns of movement and behavior prior to DDT spraying to reduce malarial transmission

Vectors, Insecta
Al-Mashhadani, H. M., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 267-268 [Demonstration]
Plasmodium berghei berghei, selection of Anopheles gambiae sp. A vectors for susceptibility and refractoriness to malaria parasites

Vectors, Insecta
Anand, J. K.; and Mellanby, K., 1976, Brit. Med. J. (6028), v. 2, 174
tourists and immigrants from endemic malarial countries and presence of vector mosquitoes, potential for disease transmission into England increased by hot weather

Vectors, Insecta
Anderson, R. I.; Fazen, L. E.; and Buck, A. A., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 62-65
daytime periodicity of Onchocerca volvulus established in Guatemala with maximal density of microfilariae in skin coinciding with most active feeding time of principal Simulium vector in area

Vectors, Insecta
Artemenko, L. P.; and Ponomarenko, V. Ia., 1975, Veterinariia, Kiev (41), 68-71
A[naplasma] marginale, seasonal distribution of acute disease in cattle (May to June) coincides with high incidence of mosquitoes biting cattle, possible vectors: Western Polesia, Ukraine

Vectors, Insecta
Ashford, R. W., 1974, J. Med. Entom., v. 11 (5), 605-616
checklist of sandflies including some brief notes on parasites: Ethiopia

Vectors, Insecta
Ashford, R. W.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 568-601
parasites indistinguishable from those causing cutaneous leishmaniasis in man found in Procavia habessinica and Heterohyrax brucei and in Phlebotomus longipes and Phlebotomus pedifer (Leishmania aethiopica), close association between hyrax and sandflies, man is incidental host: Ethiopia

Vectors, Insecta
Asibey, E. O. A., 1977, Environment. Conservation, v. 4 (4), 291-195
Onchocerca volvulus, control of blackfly vector, problems and effectiveness of mass spraying, urgent need for more information concerning distribution of disease, possible environmental and economic effects of spraying and other control measures: West Africa

Vectors, Insecta
Atomosoedjono, S.; van Peenen, P. F. D.; and Putrali, J., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 259
Brugia malayi, continued identification of Anopheles barbirostris as vector of human infection: Central Sulawesi, Indonesia

Vectors, Insecta
Awan, A. H., 1973, Pakistan J. Health, v. 23 (1), 25-38
human malaria eradication programme and reasons for its failure in Pakistan

Vectors, Insecta
Ayala, S. C., 1973, Am. Midland Naturalist, v. 89 (2), 266-280
community dynamics of sandfly-borne protozoan infections: central California

Vectors, Insecta
Ayala, S. C.; de Quintero, O. B.; and Barreto, P., 1975, Rev. Biol. Trop., v. 23 (1), 5-15
Phytomonas elmassiani, naturally and experimentally infected Oncopeltus cingulifer and O. unifasciatellus, transmission of P. elmassiani to laboratory raised laticiferous plants (Asclepias curassavica, A. fruticosa): Colombia; Costa Rica

Vectors, Insecta
Badie, A., 1975, Ann. Recherches Vet., v. 6 (3), 259-264
Dicrocoelium lanceolatum metacercaria, annual activity cycle of parasitized ants, numbers hooked to vegetation at certain parts of the day, possible relationships to temperature and rainfall, risk of parasitism in sheep flocks, possible basis for control

Vectors, Insecta
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"The statement that P[hlebotomus] papatasi is the vector of kala-azar in Malta is thus obviously wrong"

Vectors, Insecta
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Vectors, Insecta
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Vectors, Insecta
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Brugia pahangi, development in male Aedes aegypti of 'refractory' genotype, females remained refractory even when larvae were introduced by inoculation

Vectors, Insecta
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Brugia pahangi, refined technique for inoculating mosquitoes with microfilariae

Vectors, Insecta
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tsetse fly and triatome bug vectors of human trypanosomiasis, multiple abstracts presented at trypanosomiasis seminar concerning vector genetics, microstructure, morphology, laboratory maintenance, physiology

Vectors, Insecta
Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (2), 1975, 278-284
multiple abstracts on Triatoma, Glossina and Rhodnius spp. as vectors of human trypanosomiasis (biochemistry, rearing, feeding, metabolism, cytogenics) presented at 15. Seminar on Trypanosomiasis

Vectors, Insecta
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African and South American trypanosomiasis, 16th seminar on current status (epidemiology, chemotherapy, immunological research and problems of immunization, infection in domestic animals, vector control)

Vectors, Insecta
Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 1977, 1-15
17. Seminar on Trypanosomiasis (biochemistry and relevance to control; relevance of laboratory studies to tsetse control; field diagnosis; problems of land use and tsetse control)

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Vectors, Insecta
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Onchocerca volvulus, chromosomal studies of black fly vector revealed 8 species rather than just Simulium damnosum previously thought to be the single vector of human onchocerciasis

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Velimirovic, B., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 539-548
program for regular plague-oriented surveillance of small mammals and flea vectors: port of Saigon, Viet-Nam

Vectors, Insecta
Velimirovic, B.; and Clarke, J. L., 1975, Tropenmed. und Parasitol., v. 26 (4), 503-506
possible use of larvivorous fishes in wells as biological control against culicine vectors of human filariasis: Maldives Republic

Vectors, Insecta
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chloroquine resistant Plasmodium falciparum reported in East Kalimantan, Island of Borneo, Indonesia, correlation of resistant malaria with area of dispersion of A[nopheles] balabacensis vector mosquitoes

Vectors, Insecta
Vickerman, K., 1973, J. Protozool., v. 20 (3), 394-404
Trypanosoma vivax, epimastigote stage, ultrastructural study in relation to mode of attachment in proboscis of Glossina fuscipes

Vectors, Insecta
Wade, J. O., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 19 [Demonstration]
effect of heparin and crystamycin in blood food of membrane feeding units on survival and fecundity of vector Aedes aegypti and on migration and development of Brugia pahangi microfilariae

Vectors, Insecta
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Vectors, Insecta
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Vectors, Insecta
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Vectors, Insecta
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Leishmania mexicana amazonensis, further evidence of role of Lutzomyia flaviscutellata as vector in Brazil

Vectors, Insecta
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Leishmania mexicana amazonensis, disease transmission from infected to non-infected guinea pigs (exper.) by the bite of Lutzomyia flaviscutellata (exper.); increased evidence for L. flaviscutellata as major vector in nature

Vectors, Insecta
Warren, K. S.; and Mahmoud, A. A. F., 1976, J. Infect. Dis., v. 133 (5), 596-601
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Vectors, Insecta
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differences in susceptibility to Plasmodium vivax and P. falciparum of inbred morphologic phenotypes of Anopheles albimanus vector mosquitoes, significance in epidemiologic surveys and development of vector control measures: El Salvador

Vectors, Insecta
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Vectors, Insecta
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Vectors, Insecta
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Wuchereria bancrofti, area survey for possible disease control as additional result of Malaria Eradication Programme since both infections transmitted by same mosquito vector: Choiseul and Shortland of Western Solomon Islands

Vectors, Insecta
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filariasis, theoretical considerations in the vector control of human infections, construction of model using retrospective data

Vectors, Insecta
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control measures carried out by the Malaria Eradication Programme against Anopheles vectors of human malaria also resulted in the natural decline in the prevalence of human Wuchereria bancrofti infections since both diseases are transmitted by the same vector in the Solomon Islands

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Aedes sierrensis and A. dorsalis as vectors of Dirofilaria immitis

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Weiss, M. M.; and Vanderberg, J. P., 1974, J. Protozool., v. 21 (3), 423 [Abstract]
Plasmodium berghei, P. cynomolgi, isolation and concentration of ookinetes from Anopheles stephensi midguts

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comparative fluorescent antibody test survey of Aborigines and Caucasians for presence of antibodies to Dirofilaria immitis and correlations with canine filariasis; cross-reactions to Toxocara canis observed only in presence of eosinophilia: Queensland, Australia

Vectors, Insecta
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Brugia malayi, Wuchereria bancrofti, epidemiologic survey established widespread endemicity of human filariasis in Eastern Samar province, survey for vector mosquitoes

Vectors, Insecta
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new technique for evaluation of larvicides used for Simulium control in West Africa

Vectors, Insecta
White, G. B., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (4), 278-301
malaria and filariasis in humans, extensive review of Anopheles gambiae complex vector mosquitoes, their morphologic identification and relationship to disease spread, possible control measures: Africa

Vectors, Insecta
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Onchocerca volvulus, Loa loa, and Dipetalonema perstans, survey of man-biting species of Chrysops, Culicoides and Simulium as potential vectors of human infection: Ethiopia

Vectors, Insecta
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Vectors, Insecta
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trypanosomiasis, cattle, incidence in relation to occurrence of tsetse flies and Tabanidae, mechanical transmission of trypanosomes by Tabanidae was at an insignificant rate, only measurable result of such transmission was change of Trypanosoma vivax/T. congolense ratio in favor of T. vivax: Dar es Salaam dairy farm, Africa

Vectors, Insecta
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Vectors, Insecta
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Wuchereria bancrofti, humans, extensive entomological survey comparing 2 geographically different sites for prevalence of infected mosquito vectors, correlations with seasons and socio-economic status of natives

Vectors, Insecta
Wijers, D. J. B.; and Ngoka, J. M., 1974, Ann. Trop. Med. and Parasitol., v. 68 (1), 21-31
kala-azar, increase in transmission in Western Tharaka after evacuation of Eastern Tharaka, Phlebotomus martini and P. vansomerenae as probable vectors: Meru district, Kenya

Vectors, Insecta
Wilkins, S. R., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 433 [Demonstration]
Trypanosoma dionisii, experimental development in Rhodnius prolixus, permanent infection not achieved

Vectors, Insecta
Wilkinson, R. N.; Noeypatimanondh, S.; and Gould, D. J., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 306-307
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Vectors, Insecta
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Vectors, Insecta
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Cimex hemipterus collected from huts of village dwellers, hepatitis-B virus antigen detected in unengorged nymphs and adults, must be considered as potential vector: Senegal, West Africa

Vectors, Insecta
Wilson, T.; and Ramachandran, C. P., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 525-546
Brugia malayi in man and cats, B. pahangi in cats, review of data on infections: long-term observations on microfilaraemia and estimates of efficiency of transmission from mosquito vector to definitive host

Vectors, Insecta
Wilton, D. P.; and Collins, R. C., 1977, Tropenmed. u. Parasitol., v. 28 (3), 384-386
Onchocerca volvulus, comparison study of recovery of parasites from vector black flies by individual dissection and by mass separation; poor results using mass separation technique

Vectors, Insecta
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Vectors, Insecta
Yap, H. H.; and Hanapi, S., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (4), 575-580
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Vectors, Insecta
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helminthic diseases, cockroaches may play an important role in transmission

Vectors, Insecta
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Breinlia sergenti larvae unable to complete development in Armigeres subalbatus vector mosquitoes that had been treated with levamisole

Vectors, Insecta
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Trypanosoma cruzi in humans, 4 cases reported from Yucatan area, clinical case reports, problems in treatment with nifurtimox, infected triatome vectors discovered in area: Mexico

Vectors, Insecta
Zeledon, R.; et al., 1973, J. Med. Entom., v. 10 (4), 363-370
Trypansoma cruzi, habitat and blood sources of vector, Triatoma dimidiata: Costa Rica

Vectors, Insecta
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Vectors, Insecta
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Culex pipiens fatigans, Aedes aegypti, selection of strains differing in susceptibility to Dirofilaria immitis, demonstrated that inheritance of susceptibility in Aedes aegypti is controlled by sex-linked recessive gene, also found that susceptibility to infection with Brugia pahangi is on same chromosome but in different locus

Vectors, Insecta
Zielke, E., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (2), 214-221
Dirofilaria immitis, quantitative aspects of transmission by Anopheles atroparvus and Aedes togoi, intake of microfilariae by mosquitoes is directly proportional to number of microfilariae in host blood and the amount of blood taken up by the insect, infectious potential considerably reduced by increased mortality rates of infected mosquitoes

Vectors, Insecta
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Wuchereria bancrofti, migration patterns of third stage larvae in Anopheles gambiae vectors

Vectors, Insecta
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feeding experiments with Anopheles and Culex vectors of human Wuchereria bancrofti, comparison of infection rates and loss of worm burden when feeding on blood chamber, guinea pig or sugar water solution

Vectors, Insecta
Zielke, E., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (6), 546-547
Onchocerca volvulus, attempted development of larvae in mosquito hosts for purposes of laboratory study; Aedes aegytpi selected Liverpool strain supported development with third-stage larvae found in the mosquito abdomen and, in one instance, in the head

Vectors, Insecta
Zielke, E.; and Kuhlow, F., 1977, Tropenmed. u. Parasitol., v. 28 (1), 68-70
Wuchereria bancrofti, variations in susceptibility of Culex pipiens fatigans vector mosquitoes to infection based on genetic factors

Vectors, Insecta
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Onchocerca volvulus, unsuccessful attempts to infect Anopheles gambiae and Aedes aegypti for use in laboratory studies; A. gambiae refractory and larvae developed only to third stage with some abnormalities in A. aegypti

Vectors, Insecta
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Vectors, Insecta
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survey of sandflies, Phlebotomus major considered to be major vector of Leishmania donovani: Montenegro and Dalmatia, Yugoslavia

Vectors, Insecta
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Plasmodium, immunology, extensive review: immunodiagnosis and seroepidemiology; immunopathology; antigenic analysis; host responses; immunoglobulins; cell-mediated reactions

Vectors, Lice. See Vectors, Insecta.

Vectors, Mechanical
Chinchilla, M.; and Ruiz, A., 1976, J. Parasitol., v. 62 (1), 140-142
Toxoplasma gondii, sporulation of oocysts not affected or only slightly by passage through intestinal tracts of cockroaches, cat feces acceptable food for cockroaches, results suggest potential of cockroaches as transport hosts: Costa Rica

Vectors, Mechanical
Crewe, W., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (2), 116 [Demonstration]
possible transmission of helminth eggs from sewage sludge by wild birds feeding on sludge and in sludge areas

Vectors, Mechanical
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Capillaria hepatica, egg-releasing mechanisms and transmission ecology among Norway rat populations, cannibalism serves as primary egg-releasing mechanism with secondary role played by predators and normal death and decomposition, minor role of carrion insects and soil invertebrates: Baltimore Zoo

Vectors, Mechanical
Frenkel, J. K.; Ruiz, A.; and Chinchilla, M., 1975, Am. J. Trop. Med. and Hyg., v. 24 (3), 439-443
persistence of viable Toxoplasma gondii oocysts in soil up to 18 months in Kansas and 1 year in Costa Rica, experimentally buried infected cat feces; Musca fly, Armadillium sp., earthworms acted as transport hosts with earthworm possibly also vector as food for birds; seasonal distribution, effects of weather on infectivity

Vectors, Mechanical
Gawish, N., 1975, Egypt. J. Bilharz., v. 2 (2), 245-253
Schistosoma mansoni in Arvicanthus niloticus established as possible reservoir host of human infection; dogs and fish (Tilapia nilotica) ingesting material containing ova may be of epidemiological importance: Gharbia Governorate, Egypt

Vectors, Mechanical
Keirans, J. E., 1975, J. Med. Entom., v. 12 (1), 71-76
review of the phoretic relationship between Mallophaga and Hippoboscidae

Vectors, Mechanical
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records of phoretic attachment of Mallophaga on insects other than Hippoboscidae

Vectors, Mechanical
Kemp, R. L.; and Franson, J. C., 1975, Avian Dis., v. 19 (4), 741-744
Histomonas meleagridis, experimental transmission to chickens and turkeys by earthworms recovered from pheasant yard soil; earthworms may serve as transport hosts for Heterakis eggs and thus ultimately for H. meleagridis

Vectors, Mechanical
Landau, I.; et al., 1975, Compt. Rend. Acad. Sc., Paris, v. 281, s. D, Sc. Nat. (22), 1721-1723
Eimeria sp., crustacean infected with oocysts from fish feces, freed sporozoites remain as latent stage in intestinal wall; possible alimentary pyramid concentrating infective forms in aquatic environment
Gymnothorax moringa "murene" (foie, intestin): Petit Bourg, Guadeloupe
Mysidacea (intestinal wall) (exper.)

Vectors, Mechanical
Markus, M. B., 1974, Ann. Trop. Med. and Parasitol., v. 68 (2), 247-248
Eimeria tenella, passage through Lumbricus terrestris does not affect infectivity for chicks, implies possibility of cat-earthworm-bird-cat cycle for Toxoplasma gondii

Vectors, Mechanical
Nagar, S. K.; and Raizada, R. N., 1977, J. Parasitol., v. 63 (5), 860
Aponomma ophiophilum larvae found on Calliphora erythrocephala, possible phoretic association for distribution of parasite: Delhi, India

Vectors, Mechanical
Oyerinde, J. P. O., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 455-462
Ancylostoma caninum, ability of Musca domestica to carry hookworm eggs and larvae externally and internally, viability of eggs and survival of larvae after such exposure, potential role of house fly in dissemination of hookworm

Vectors, Mechanical
Roberts, R. H.; and Love, J. N., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 121-122
Anaplasma marginale, Hippelates pusio as possible mechanical vector but no biological cycle found

Vectors, Mechanical
Sixl, W.; Dengg, E.; and Waltinger, H., 1971, Munchen. Med. Wchnschr., v. 113 (49), 1645-1646
Haemaphysalis concinna, scanning electron microscopy of mouth parts (hypostoma and chelicera); ticks as mechanical vectors of human pathogens

Vectors, Mechanical
Wiesenhuetter, E., 1976, Trop. Animal Health and Prod., v. 8 (4), 195-201
trypanosomiasis, cattle, incidence in relation to occurrence of tsetse flies and Tabanidae, mechanical transmission of trypanosomes by Tabanidae was at an insignificant rate, only measurable result of such transmission was change of Trypanosoma vivax/T. congolense ratio in favor of T. vivax: Dar es Salaam dairy farm, Africa

Vectors, Mechanical
Young, P. L.; and Babero, B. B., 1975, Proc. Oklahoma Acad. Sc., v. 55, 169-174
helminthic diseases, cockroaches may play an important role in transmission

Vectors, Mites. See Vectors, Acarina.

Vectors, Mollusca. [See also Snail control]

Vectors, Mollusca
Abou El-Hassan, A. A., 1975, Egypt. J. Bilharz., v. 2 (2), 191-212
schistosomiasis and snail vectors in the New Valley and reclaimed northern coastal zone in Egypt

Vectors, Mollusca
Abrahams, A. A.; and Meuleman, E. A., 1977, Trop. and Geogr. Med., v. 29 (2), 207 [Abstract]
Schistosoma mansoni, effect of Biomphalaria pfeifferi vector snail size on miracidial penetration and development

Vectors, Mollusca
Al-Mashhadani, H. M., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 10-11 [Demonstration]
Fasciola gigantica, lymnaeid vector snail morphology and ecology and their relationships to fascioliasis in domestic animals, economic importance: Iraq

Vectors, Mollusca
Amin, M. A.; and Fenwick, A., 1977, Ann. Trop. Med. and Parasitol., v. 71 (2), 205-212
human schistosomiasis, aerial applications of N-trityl morpholine, as annual regimen for blanket vector snail control: Gezira irrigated area of Sudan

Vectors, Mollusca
Appleton, C. C., 1975, Ann. Trop. Med. and Parasitol., v. 69 (2), 241-255
influence of stream geology on distribution of bilharzia host snails, relationship to prevalence patterns of Schistosoma mansoni and S. haematobium: south-eastern Transvaal (Gladdespruit; Komati River)

Vectors, Mollusca
Appleton, C. C., 1977, Internat. J. Parasitol., v. 7 (5), 335-345
influence of temperature on life-cycle and distribution of Biomphalaria pfeifferi in south-eastern Africa

Vectors, Mollusca
Appleton, C. C.; and Stiles, G., 1976, Ann. Trop. Med. and Parasitol., v. 70 (2), 189-198
human schistosomiasis, geology and geomorphology in relation to distribution of snail intermediate hosts: South Africa

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Vectors, Mollusca
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Schistosoma mansoni, egg-infested human feces deposited in natural and standing and running water habitats containing Biomphalaria glabrata (exper.), tests of how soon and for how long eggs would hatch showed that hatchability of eggs was high but only a few miracidia successfully infected snails

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Viability
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Viability
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Virulence. See Pathogenicity.

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Eimeria tenella, development of immunity in chicks experimentally infected with infectious bursal disease virus at various times before and during coccidial challenge, results indicate that viral infection prior to or concurrent with Eimeria tenella immunization significantly reduced immune protection

Virus
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Virus
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Entamoeba histolytica trophozoites, rhabdovirus-like particles tentatively regarded as episomal in nature

Virus
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Virus
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Haemobartonella felis, feline infectious anemia, mixed with leukemia virus, chloramphenicol, tetracycline, fair results

Virus
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Dermacentor marginatus, presence of virus-like particles and rickettsia-like structures discovered in nymph gut cells

Virus
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Spirometra sp., presence of C-type virus-like particles in non-proliferating sparganum of human host origin: Arkansas

Virus
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Virus
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Virus
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Virus
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Entamoeba histolytica, hypothesis that commensal amoebiasis becomes an invasive infection in the presence of a hyper-parasitic virus

Virus
Giambrone, J. J.; et al., 1977, Poultry Science, v. 56 (1), 243-246
Eimeria tenella, increased susceptibility in chicks previously exposed to infectious bursal disease virus

Virus
Graves, I. L.; Adams, W. H.; and Pyakural, S., 1975, Am. J. Vet. Research, v. 36 (6), 843-845
Babesia bigemina, Bos grunniens moved from high to low altitude and challenged with influenza A viruses, hemolytic anemia, possible explanations, death due to Fasciola hepatica and F. gigantica, incidental finding of Bunostomum sp., Trichuris sp., Neoascaris vitulorum, Dictyocaulus sp., coccidia, some reasons for poor survival of yaks at low altitude: Nepal

Virus
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Virus
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survival of arboviruses in Trypanosoma cruzi-infected Rhodnius prolixus (exper.) and in T. rangeli-infected R. neglectus (exper.), study to assess vector potential of parasitized bugs

Virus
Kalter, S. S.; et al., 1974, Nature (5474), v. 251, 440
Schistosoma haematobium-induced urinary bladder neoplasm, presence of C-type viral particles, Cebus sp.

Virus
Kalter, S. S.; et al., 1977, Lab. Animal Sc., v. 27 (1), 122-124
Schistosoma haematobium in Cebus apella (exper.), urinary bladder neoplasm containing type C virus

Virus
Knight, R.; Bird, R. G.; and McCaul, T. F., 1975, Ann. Trop. Med. and Parasitol., v. 69 (2), 197-202
Entamoeba histolytica, cytopathic effects in in vitro system (rabbit kidney cell monolayer) appear to be wholly dependent upon amoebal contact, various modes of cell damage and enzyme transfer from amoeba to cell are suggested together with possibility that cytopathic amoebae are infected with virus particles

Virus
Mattern, C. F. T.; et al., 1977, J. Virol., v. 23 (3), 685-691
Entamoeba histolytica, 4 different strains, isolation of a beaded virus

Virus
Mattern, C. F. T.; and Diamond, L. S., 1976, Ztschr. Parasitenk., v. 48 (3-4), 296-297 [Abstract]
Entamoeba histolytica, axenically cultivated strains, virus isolated, possibly lysogenic relationship

Virus
Milner, R. J., 1977, J. Austral. Entom., v. 16 (1), 21-26
Pleistophora oncoperae in Oncopera alboguttata and O. rufobrunnea, incidence, mixed infection with virus in O. alboguttata responsible for dramatic decrease in population density: Ebor Dorrigo region of N.S.W.

Virus
Molyneux, D. H., 1976, Ztschr. Parasitenk., v. 48 (3-4), 296 [Abstract]
Leishmania hertigi, virus-like particles in promastigotes, brief description

Virus
Negomireanu, T.; Gorgan, V.; and Pirvu, C., 1972, Microbiol., Parazitol., Epidemiol., Bucuresti, v. 17 (5), 443-448
Giardia lamblia in humans, mutual unfavorable influence in mixed viral hepatitis infections

Virus
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viral disease in cattle previously or concurrently having fascioliasis, dictyocaulosis, and/or piroplasmosis, histopathological study of mucosal lesions, differential diagnosis: Japan

Virus
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discussion of possible role of helminth parasites and viruses in etiology of dengue hemorrhagic fever and shock syndrome

Virus
Pavri, K. M.; et al., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 99-110
Toxocara canis in albino mice (exper.), marked synergistic effect in mixed viral infections, possible role of visceral larval migrans in creating "acute encephalopathy syndrome" in presence of simultaneous viral infections

Virus
Penev, P.; Nikolova, M.; and Stefanova, M., 1975, Vet. Med. Nauk., v. 12 (9), 46-50
Eimeria tenella, infection of chickens previously infected with Marek's disease, inability to build up stable immunity against subsequent Eimeria tenella infection

Virus
Poinar, G. O., jr.; and Hess, R., 1977, Nature, London (5599), v. 266, 256-257 [Letter]
Romanomermis culicivorax, preparasitic juveniles contained virus-like particles in hypodermal cords, damage could lower efficiency of this nematode as biological control agent

Virus
Rodgerson, E. B., 1972, Obst. and Gynec., v. 40 (3), 327-333
human Trichomonas vaginalis in presence of vulvar and vaginal papillomas, treatment of trichomoniasis with metronidazole alone or in conjunction with diiodohydroxyquin frequently resulted in changes in or disappearance of papillomas, possible role of Trichomonas in action of viruses: California

Virus
Rossi, G. A.; Brancaccio, M.; and Gatti, A., 1974, Atti Soc. Ital. Sc. Vet., v. 28, 840-845
Toxoplasma gondii, isolation from dogs with severe pneumoencephalitis, case histories, severity possibly related to distemper vaccination or winter climate

Virus
Sharma, D. N.; Rajya, B. S.; and Dwivedi, J. N., 1977, Indian J. Animal Sc., v. 45 (5), 1975, 275-281
Dictyocaulus filaria in Jaagziekte and Maedi-infected sheep and goats (exper.), no effect of Dictyocaulus filaria in precipitating either disease

Virus
de Sousa, M. A.; and Weigl, D. R., 1975, J. Protozool., v. 22 (3), 36A [Abstract]
evidence that Toddia is not a protozoan but probably a virus

Virus
Sun, C. N.; et al., 1975, Proc. 33. Ann. Meet. Electron Microsc. Soc. America, 648-649
virus-like particles in Spirometra sp.

Virus
Terzakis, J. A.; Vanderberg, J. P.; and Weiss, M. M., 1976, J. Parasitol., v. 62 (3), 366-371
ultrastructural appearance of viruslike particles in several Plasmodium spp. at different times in sporogony

Virus
Vivares, C. P., 1976, Ztschr. Parasitenk., v. 48 (3-4), 298 [Abstract]
Pachyporospora retorta, nucleus containing cristalloids composed of thousands of particles, possibly of viral origin

Vitamins. [See also Diet; Nutrition]

Vitamins
Abdel-Daim, M. H.; et al., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 668-671
S[chistosoma] mansoni, S. haematobium, rural children, disordered tryptophan metabolism, vitamin deficiency

Vitamins
Aboko-Cole, G. F.; and Lee, C. M., 1975, Ztschr. Parasitenk., v. 47 (2), 71-77
Trypanosoma rhodesiense, T. lewisi, rats on normal or folic acid deficient diets, mitotic activity in liver; folate content of trypanosomes and their metabolic products

Vitamins
Aminzhanov, M., 1975, Dokl. Akad. Nauk UzSSR (10), 57-58
echinococcosis, sheep, decreased zinc in serum, increased vitamin C in lungs, liver and spleen

Vitamins
Areekul, S.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 107 [Demonstration]
comparison of serum vitamin B_{12} levels in patients with hepatic amoebic abscess, opisthorchiasis or hookworm infections

Vitamins
Areekul, S.; et al., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (3), 375-379
amoebiasis, opisthorchiasis, humans, changes in serum vitamin B_{12} in presence of infections

Vitamins
Areekul, S.; Devakul, K.; and Boonyananta, C., 1970, Southeast Asian J. Trop. Med. and Pub. Health, v. 1 (4), 565 [Demonstration]
opisthorchiasis, humans, changes in vitamin B_{12} and folic acid absorption during infection

Vitamins
Areekul, S.; Pinyawatana, W.; and Kitkornphan, S., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 386-390
hookworm, human, red cell and serum folate levels and folic acid absorption, impairment of folate absorption and iron deficiency anemia were probably primary and secondary causes of low serum folate content in these patients

Vitamins
Bingham, A.; et al., 1976, Parasitology, v. 73 (2), xxxii-xxxiii [Abstract]
Litomosoides carinii in cotton rats and fast-growing white rats fed a vitamin E deficient diet, plasma enzyme activity, size of worms

Vitamins
Blumenthal, D. S.; and Schultz, M. G., 1976, Am. J. Trop. Med. and Hyg., v. 25 (5), 682-690
Ascaris lumbricoides, nutritional status of infected children compared with matched controls using anthropometric, clinical and laboratory criteria, adverse effects on serum albumin and vitamin C levels: Louisiana

Vitamins
Christow, C. P., 1977, Wien. Tierarztl. Monatsschr., v. 64 (6-7), 193-196
Trichomonas foetus, in vitro, naphthochinones (vitamin K) retard development and multiplication

Vitamins
Czerpak, R., 1970, Acta Parasitol. Polon., v. 17 (20-38), 285-292
Trichinella spiralis larvae, mice given goldthioglucose and vitamin A, oxygen uptake by diaphragm muscles, influence of host sex and age

Vitamins
Davtian, E. A.; Boiakhchian, G. A.; and Balaian, D. E., 1976, Biol. Zhurnal Armenii, v. 29 (7), 3-13
fascioliasis and cysticercosis, sheep, various aspects of pathogenesis (role of hypovitaminosis-A and mechanisms and dynamics of its origin, origin of vitamin E insufficiency, thyroid insufficiency, role of endogenous copper insufficiency, interaction of copper sulfate with vitamins A and E); possible use of copper sulfate as treatment

Vitamins
Eaton, J. W.; et al., 1976, Nature (5588), v. 264, 758-760
Plasmodium berghei, mice, vitamin E-deficiency moderates course of infection, supports idea that oxidant sensitivity of host erythrocytes may limit severity of malaria

Vitamins
Gingrich, R. E., 1973, J. Med. Entom., v. 10 (5), 482-487
Hypoderma lineatum, effects of host diet and immunosuppressant treatments (rabbit anti-mouse lymphocyte serum and whole-body irradiation) on survival and growth of larvae and on susceptibility of Mus musculus to infestation

Vitamins
Gingrich, R. E.; and Barrett, C. C., 1975, J. Med. Entom., v. 12 (1), 13-15
Hypoderma lineatum larvae, vitamin A deficiency in calves reduced host resistance to percutaneous invasion but had no effect on larvae injected subcutaneously

Vitamins
Heischkeil, R., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 505-516
Plasmodium vinckei, chemotherapeutic activity of selected antagonists of folic acid metabolism with special reference to structure-activity relationships, comparison with some standard antimalarials; some compounds also exert noxious effect on host

Vitamins
Heischkeil, R., 1974, Tropenmed. u. Parasitol., v. 25 (1), 105-115
Plasmodium vinckei, mice, purine and pyrimidine derivatives, antimetabolic activity against structurally analogous vitamins of the B complex and precursors of nucleic acids, plasmodiostatic activity compared to some standard antimalarials

Vitamins
Horton, G. M. J.; et al., 1977, J. South African Vet. Ass., v. 48 (2), 99-103
Trichostrongylus colubriformis, lambs (exper.), effect of host diet low in selenium as compared to diets supplemented with vitamin E and selenium, pathology, haematological changes, serum enzyme changes

Vitamins
Hussein, H. S., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 5 [Demonstration]
Babesia microti and B. hylomysci infections in mice on a milk diet, experiments showed dependence of both species on dietary supply of p-aminobenzoic acid (PABA) to synthesize folic and folinic acids

Vitamins
Jablonowski, Z., 1970, Acta Parasitol. Polon., v. 17 (20-38), 271-284
Ascaris suum, guinea pigs, vitamin C-deficient diet, haemogram level, serum total protein and protein fractions, vitamin C content of various organs

Vitamins
Kelada, F. S.; et al., 1972, Metabolism, v. 21 (12), 1105-1112
Schistosoma haematobium-infected patients, effects of vitamin B6 load and 2,3,-dimercaptopropanol (a chelating agent) on functional capacity of tryptophan-niacin pathway before, during, and after tartar emetic treatment, found that 2,3-dimercaptopropanol prevents anomaly in tryptophan metabolism in patients treated with tartar emetic

Vitamins
Kershaw, W. E.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 31-32 [Demonstration]
Litomosoides carinii in vitamin A deficient cotton rats and in vitamin E deficient cotton and white rats, antigen extracts from adults and microfilariae; Nippostrongylus brasiliensis, mast cell population in lungs of infected rats

Vitamins
Khan, Z. I.; and De Rycke, P. H., 1976, Ztschr. Parasitenk., v. 50 (1), 73-79
Hymenolepis microstoma, in vitro culture, added yeast extract increased sexual maturity, possible role of pyridoxin

Vitamins
Kilgour, V.; and Godfrey, D. G., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (2), 258 [Abstract]
Trypanosoma brucei brucei in mice, influence of dietary pyridoxine

Vitamins
Krishnan, S.; et al., 1976, J. Nutrition, Bethesda, v. 106 (6), 784-791
Plasmodium berghei, vitamin A protein energy, undernourished rats, increased susceptibility to infection, lower host phagocytosis

Vitamins
Lee, C. M.; Aboko-Cole, G. F.; and Fletcher, J., 1976, Ztschr. Parasitenk., v. 49 (1), 1-10
Trypanosoma musculi, vitamin A-deficient mice, increased parasitemia, delayed action of reproductive-inhibiting and terminal lytic antibodies, increase in body weight gains and food consumption

Vitamins
Leutskaia, Z. K., 1969, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 20, 88-90
Ascaridia galli antigen-immunized chickens, content of various forms of vitamin A in mitochondria and microsomes of spleen cells, possible role of vitamin A in antibody formation and immune process

Vitamins
Leutskaia, Z. K., 1975, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 25, 71-90
Ascaridia galli in chicks, role of vitamin A in immunogenesis (increase of resistance, specific immunity, antibody formation), specifically, role in immunization

Vitamins
Rao, V. G.; and Padma, M. C., 1975, Indian J. Exper. Biol., v. 13 (2), 168-171
Entamoeba histolytica, rats on low protein, low vitamin diet, increased susceptibility, poor immune response as shown by haemagglutination test

Vitamins
Rudobielska, M.; et al., 1971, Pediat. Polska, v. 46 (9), 1103-1110
significant reduction in serum vitamin B_{12} levels in children infected with Lamblia intestinalis, no variation seen in children infected with Trichocephalus dispar when compared with normal controls

Vitamins
Rudobielska, M.; et al., 1972, Polski Tygod. Lekar., v. 27 (42), 1629-1631
Lamblia intestinalis, changes in vitamin B_{12} serum levels of infected children, comparison with normal controls

Vitamins
Rungs, H., 1969, Maroc Med. (521), v. 49, 113-115
human amoebic chronic colitis, malabsorption and avitaminosis, clinical review

Vitamins
Ryley, J. F.; and Hardman, L., 1977, Parasitology, v. 75 (2), xv [Abstract]
Eimeria spp., effect of vitamin K-deficient diets on infection and in particular on effectiveness of anti-coccidial drugs, concluded that use of deficient diet in screening and evaluating drugs is justified

Vitamins
Seah, S. K. K., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (1), 76-77 [Letter]
Toxoplasma gondii, pretreatment and treatment with vitamin C offers some protective effect in experimental infection in mice

Vitamins
Sen, D. K.; and Jones, W. R., 1973, J. Protozool., v. 20 (4), 504
Trypanosoma duttoni, growth response of mice on normal vs. pyridoxine-deficient diet compared with uninfected controls

Vitamins
Sen, D. K.; and Lin, V. K., 1973, J. Protozool., v. 20 (4), 503-504
Trypanosoma duttoni, development in mice fed normal vs. pyridoxine-deficient diet and infected in spring vs. summer

Vitamins
Sherkov, S., 1976, Vet. Med. Nauki, v. 13 (9), 93-99
Eimeria tenella, chickens, thiamine and egg white in feed, effects on host pathomorphology and on mortality and oocyst production

Vitamins
Tkachuck, R. D.; Weinstein, P. P.; and Mueller, J. F., 1976, J. Parasitol., v. 62 (1), 94-101
Spirometra mansonoides spargana, uptake of vitamin B_{12}, functional groups of B_{12} analogs affecting uptake; Hymenolepis diminuta, no uptake of vitamin B_{12}, none detected in the worm

Vitamins
Tkachuck, R. D.; Weinstein, P. P.; and Mueller, J. F., 1976, J. Parasitol., v. 62 (6), 948-950
Spirometra mansonoides adults, isolation of cobamide coenzyme (light-sensitive vitamin B_{12} derivative) and identification as adenosylcobalamin

Vitamins
Tkachuck, R. D.; Weinstein, P. P.; and Mueller, J. F., 1977, J. Parasitol., v. 63 (4), 694-700
Spirometra mansonoides spargana, metabolic fate of cyanocobalamin

Vitamins
Walker, T. R.; and Farrell, D. J., 1976, Brit. Poultry Sc., v. 17 (1), 63-77
Ascaridia galli, significant reduction in metabolisability of dietary energy and nitrogen retention of infected chickens; inadequate amounts of vitamin A reduced size of larvae and perhaps decreased their numbers

Vitamins
Wanchinga, D. M., 1977, Virginia J. Sc., v. 28 (2), 69 [Abstract]
Amblyomma maculatum, attachment and development on host albino rats deficient in vitamins (A, K, thiamine) and minerals (Ca, Na)

Wales. See Great Britain, Wales.

War. See Armies, Parasites; Medicine, Military.

Washington. See United States, Washington.

Water. [See also Humidity]

Water
Abdulappa, M. K.; and Lakshminarayana, J.S.S., 1970, Proc. Symp. Mollusca (Cochin, Jan. 12-16, 1968), pt. 3, 758-779
pathogenesis of helminths in Mollusca, relation to water quality, geographic distribution, review

Water
Brown, E. R.; et al., 1977, Ann. N. York Acad. Sc., v. 298, 535-546
Posthodiplostomum cuticula, diseases of fish, possible relationships with chemical water pollutants

Water
Bull, M.; and Smyth, M., 1973, Austral. J. Zool., v. 21 (1), 103-110
Aponomma hydrosauri, Amblyomma albolimbatum, A. limbatum, abutting allopatric distributions, water balance of nymphs and adults in relation to distribution: South Australia

Water
Carbo'Baptista, N.; Larbier, M.; and Yvore, P., 1976, Avian Path., v. 5 (3), 187-194
Eimeria acervulina, chicks, decreased intestinal absorption of ^{14}C L-lysine and water accompanied by an increase in tissue water content and in secretion rate of mineral ions (Na^+ and K^+)

Water
van der Gulden, W. J. I.; and van Aspert-van Erp, A. J. M., 1976, Exper. Parasitol., v. 39 (1), 40-44
Syphacia muris, egg hatching: effects of 22°C, 37°C, and cysteine on larval motility within closed egg and on subsequent hatching; effects of temperature, cysteine, and trypsin on permeability of water through eggshell; effect of water on opening of operculum

Water
Hall, C. A., 1977, Vet. Rec., v. 101 (24), 486-487
Lucilia cuprina, sheep, reducing fleece moisture content to control cutaneous myiasis, field trials: New South Wales

Water
Howell, F. G.; and George, J. E., 1973, J. Med. Entom., v. 10 (5), 459-469
Argas cooleyi, behavior and water balance, various relative humidities

Water
Kumar, A.; Pandey, M. D.; and Rawat, J. S., 1976, Indian J. Poultry Sc., v. 11 (1), 11-13
Eimeria acervulina, E. necatrix, mixed infection, chickens (exper.), serum electrolyte changes, decreased percentage of total body water, dehydration

Water
McMullen, H. L., 1976, J. Kansas Entom. Soc., v. 49 (4), 530 [Abstract]
Amblyomma americanum, mouth as site of water vapor uptake, possible mechanisms

Water
McMullen, H. L.; Sauer, J. R.; and Burton, R. L., 1976, J. Insect Physiol., v. 22 (9), 1281-1285
Amblyomma americanum, mouth confirmed as site of water vapor absorption, movement of chloride ions traced in desiccated and rehydrated ticks, suggests possible role of salivary glands in water vapor uptake

Water
Overstreet, R. M.; and Howse, H. D., 1977, Ann. N. York Acad. Sc., v. 298, 427-462
helminths and protozoans of estuarine fishes incidence and intensity; possible relationships with water pollutants: estuaries of Mississippi

Water
Perry, R. N., 1977, Parasitology, v. 74 (2), 133-137
Nematodirus battus larvae, reassessment of variations in water content during hatching process

Water
Preston, J. M.; Dargie, J. D.; and MacLean, J. M., 1973, J. Comp. Path., v. 83 (3), 417-428
Schistosoma mattheei, sheep (exper.), sequential changes in plasma, circulating red cell and blood volumes following infection, serum osmolarity and sodium concentrations, water metabolism, urine composition and solute excretion, significance of findings in relation to pathogenesis

Water
Robertson, A. S.; et al., 1975, J. Med. Entom., v. 12 (5), 525-529
Amblyomma americanum, unfed male and female adults, daily and seasonal behavior in relation to temperature, humidity, and photoperiod in different habitats, behavioral patterns suggest activity regulation by body water content: Cookson Hills State Game Refuge, Cherokee County, Oklahoma

Water
Rudolph, D.; and Knuelle, W., 1974, Nature (5452), v. 249, 84-85
ixodid ticks, water vapor uptake from atmosphere, site (mouthparts) and mechanism (may be related to hygroscopic properties of salivary secretion)

Water
Smith, M. W., 1973, Ann. Trop. Med. and Parasitol., v. 67 (4), 483-492
Rhipicephalus appendiculatus, Amblyomma variegatum, immature stages, effect of immersion in water (in laboratory but under field conditions), implications for correlation of seasonal periodicity with rainfall

Water
Wilkinson, P. R., 1971, Acarologia, v. 12 (3), 492-508
Boophilus microplus, factors affecting distribution in RTS (reputed tick scarcity) areas as compared to tick infested areas in surrounding districts: Australia

Weaning
Brunsdon, R. V., 1976, N. Zealand J. Exper. Agric., v. 4 (3), 275-279
lambs, effectiveness of single thiabendazole drench at weaning in controlling build-up of trichostrongyle worm burdens, relative importance of various sources of pasture contamination (overwintered larvae; larvae deposited by ewes and lambs in pre-weaning period; larvae deposited by lambs at weaning)

Weather. *See* Climate and weather.

West Indies. [*See also* Cuba; Guadeloupe; Jamaica; Trinidad]

West Indies
Grell, G. A. C., 1976, Ann. Trop. Med. and Parasitol., v. 70 (1), 1-10
analysis of patterns of diseases of adults in 1972 and 1973, including parasites: Dominica
(Trichuris; Ascaris; hookworms; Strongyloides; Giardia lamblia; Entamoeba histolytica; Balantidium coli)

West Virginia. *See* United States, West Virginia.

Western Australia. *See* Australia, Western Australia.

White Sea. *See* Seas, White Sea.

Wisconsin. *See* United States, Wisconsin.

Wool
Bergstrom, R. C.; Kinnison, J. L.; and Werner, B. A., 1977, Am. J. Vet. Research, v. 38 (6), 887-888
Trichostrongylus colubriformis, Eimeria ninakohlyakimovae, changes in weight gains, feed conversion efficiency, and wool fiber diameter in lambs maintained on 2 different diets (good ration; marginal diet)

Wool
Cottier, K.; Dobbie, J. L.; and Andrew, B. L., 1976, N. Zealand J. Exper. Agric., v. 4 (3), 285-290
anthelmintic drenching of lambs from Jan. to June, 0 vs. 3 vs. 6 drenches, effect on live weight gains and on wool weight and quality, drenching is beneficial but greater increases due to 6 drenches are probably offset by greater costs: Waikato, New Zealand

Wool
Edwards, C. M.; et al., 1976, Vet. Rec., v. 98 (18), 372
liver flukes, sheep (exper.), reduced growth and quality of sheep wool

Wool
Fudalewicz-Niemczyk, W.; et al., 1975, Med. Wet., v. 31 (11), 666-668
sheep helminths, effective control with nilverm and zanil, increased weight gains and shearing yields: Hanczowa, Gorlice district

Wool
Fudalewicz-Niemczyk, W.; et al., 1976, Acta Zootech., Bratislava (32), 5-19
gastrointestinal helminths, mountain sheep, nilverm and zanil, favorable influence on body weight and wool production of treated animals, no influence of treatment on fertility: Poland

Wool
Hall, C. A., 1977, Vet. Rec., v. 101 (24), 486-487
Lucilia cuprina, sheep, reducing fleece moisture content to control cutaneous myiasis, field trials: New South Wales

Wool
Heath, A. C. G.; et al., 1977, N. Zealand J. Agric. Research, v. 20 (1), 19-22
Haemaphysalis longicornis, dipped and undipped sheep, tick counts, blood analysis, live-weight gain, wool production and quality: New Zealand

Wool
Horak, I. G.; Honer, M. R.; and Schroeder, J., 1976, J. South African Vet. Ass., v. 47 (4), 247-251
helminths and Oestrus ovis, merino sheep, treated at four-weekly intervals or strategically, live mass gains, wool production and fecal worm egg counts, compared with untreated controls: Eastern Transvaal Highveld

Wool
McLeod, C. C., 1976, N. Zealand J. Exper. Agric., v. 4 (2), 215-218
thiabendazole, tetramisole, pre- and post-weaning anthelmintic drenching, live-weight gain, wool weight in Romney ewe lambs with strongyle infections better in treated than in untreated lambs, no significant differences between anthelmintics

Wool
McLeod, C. C.; Wolff, J. E.; and Schwarz, G., 1976, N. Zealand J. Exper. Agric., v. 4 (2), 219-225
thiabendazole and selenium drenching, weaned Merino or halfbred ewe lambs, grazing on pasture or in paddocks with supplementary feeding, live-weight gain, wool weights: South Canterbury

Wool
Malczewski, A.; et al., 1975, Med. Wet., v. 31 (12), 728-731
helminths, sheep, treatment with Nilverm and Nilzan more effective in May and November than in May and September, higher economic profit, increased weight gains and shearing yields: Olsztyn province

Wool
Sinclair, A. N., 1976, N. Zealand Vet. J., v. 24 (7), 149-152
Psorergates ovis, fleece derangement in infected Merino sheep before and after treatment as measurement of treatment success

Wool
Symons, L. E. A.; and Jones, W. O., 1975, Austral. J. Agric. Research, v. 26 (6), 1063-1072
Trichostrongylus colubriformis, sheep, radioisotope-labelled leucine for measurement of protein synthesis in muscles, liver and wool follicles, anorexia as major cause of protein metabolism changes

Worm burden
Amin, O. M., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 81-88
helminths of Catostomus commersoni, distribution, structural observations, effects of host size (age) on worm burden and site of infection: southeastern Wisconsin

Worm burden
Boag, B.; and Thomas, R. J., 1977, Research Vet. Sc., v. 22 (1), 62-67
gastro-intestinal nematodes, sheep, epidemiology, post mortem worm counts, faecal egg counts and pasture larval counts, seasonal number of generations and succession of species

Worm burden
Bryan, R. P.; Bainbridge, M. J.; and Kerr, J. D., 1976, Austral. J. Zool., v. 24 (3), 417-421
gastrointestinal helminths, worm burden and nodule counts, Bubalus bubalis, feral cattle: Northern Territory, Australia

Worm burden
Dancescu, P., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (2), 162-163
Strongyloides stercoralis in humans, observations on worm burden, clinical manifestations and infection duration as affected by host age: Romania

Worm burden
Durham, P. J. K.; and Elliott, D. C., 1976, Vet. Parasitol., v. 2 (2), 157-166
Ostertagia spp., sheep (exper.), development of worm populations and lesions at different larval dose-levels and at different times following infection

Worm burden
ElBihari, S.; and Ewert, A., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 184-186
Brugia malayi, no correlation between prepatent period and either the size of B. malayi inoculum or the number of adult female worms recovered from infected Meriones unguiculatus (exper.)

Worm burden
Elkins, C. A.; and Corkum, K. C., 1976, J. Wildlife Dis., v. 12 (2), 208-214
Crepidostomum isostomum and Phyllodistomum pearsei, growth dynamics (growth phases categorized by development and maturation of reproductive system) and seasonal prevalence, age of host and prevalence of infection Aphredoderus sayanus : Whisky Bay, west of Intercoastal Canal, West Baton Rouge Parish, Louisiana

Worm burden
Esch, G. W.; et al., 1976, Tr. Am. Fish. Soc., v. 105 (3), 486-490
Pomphorhynchus bulbocolli, Leptorhynchoides thecatus, helminth recruitment, bluegills, modified live-box technique, tethered and untethered fish compared, parasite spatial distribution

Worm burden
Fabiyi, J. P., 1972, Bull. Epizoot. Dis. Africa, v. 20 (3), 229-234
survey of helminths of chickens, comparison of techniques of management (native extensive, deep-litter (intensive) and semi-intensive systems) on worm burden; suggested preventive measures and treatment with piperazine: Vom area, Benue-Plateau State, Nigeria

Worm burden
Gibson, T. E.; and Everett, G., 1975, Vet. Parasitol., v. 1 (1), 77-83
Ostertagia circumcincta infection in lambs originating from larvae which survived the winter, pastures with high vs. low residual larval infection, differences in worm burdens between 2 groups but no significant difference in weight gain, implications for worm control

Worm burden
Gibson, T. E.; and Everett, G., 1975, Vet. Parasitol., v. 1 (1), 85-89
Ostertagia circumcincta, ewes and lambs exposed to experimentally simulated postparturient rise of faecal egg count on pastures, compared to similar group not exposed to postparturient rise, worm burdens and weight gains, implications for control

Worm burden
Gibson, T. E.; and Everett, G., 1976, J. Comp. Path., v. 86 (2), 269-274
Ostertagia circumcincta, lambs, effect of different levels of larval intake on faecal egg counts and weight gain, no significant acquired resistance demonstrated

Worm burden
Gibson, T. E.; and Everett, G., 1977, Brit. Vet. J., v. 133 (4), 360-364
Ostertagia circumcincta, lambs, different levels of larval intake to simulate seasonal pasture conditions, effect on fecal egg output, possible grazing management regimes to reduce worm infections

Worm burden
Groeneveld, H. T.; and Reinecke, R. K., 1969, Onderstepoort J. Vet. Research, v. 36 (2), 285-297
non-parametric statistical method for comparing worm burdens in two groups of sheep, application in interpreting results of anthelmintic tests

Worm burden
Iyngkaran, N.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 568-572
clinical trials using mebendazole to treat severe Trichuris trichiura infections in children; proctoscopy established as best method to assess worm burden and severity of involvement; mebendazole safe and effective if given over longer than currently recommended period, eggs post-treatment morphologically altered and no longer viable: Malaysia

Worm burden
Jordan, H. E.; et al., 1977, Am. J. Vet. Research, v. 38 (8), 1157-1160
Ostertagia ostertagi, Cooperia, influence on energy efficiency in full-fed vs. maintenance-fed steers with high vs. low worm burdens (low worm burdens did not significantly effect energy utilization; in full-fed steers, energy retention was greater in steers with lower worm burdens; maintenance-fed steers were more heavily parasitized than full-fed steers)

Worm burden
Kannangara, D. W. W., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (4), 406-409
human intestinal parasites, comparison of post-mortem analysis of helminth infections with results obtained by fecal examination using direct smear of fecal egg count: Colombo, Sri Lanka

Worm burden
Kerboeuf, D.; and Leimbacher, F., 1977, Rec. Med. Vet., v. 153 (1), 19-25
Ostertagia circumcincta, Trichostrongylus axei, Haemonchus contortus, lambs, use of serum pepsinogen measurements to assess average worm burden in a herd

Worm burden
Kershaw, W. E.; and Storey, D. M., 1976, Ann. Trop. Med. and Parasitol., v. 70 (3), 303-312
Litomosoides carinii infection in cotton rats, comparison of 5 methods of calculating number of infective larvae transmitted to hosts by Liponyssus bacoti vectors, relationship between transmission intensities and worms recovered, role of heavy infections in vectors

Worm burden
Knight, R. A.; Vegors, H. H.; and Glimp, H. A., 1973, Am. J. Vet. Research, v. 34 (3), 323-327
gastrointestinal nematodes, lambs, effect of breed and birth date on parasite acquisition: Clay Center, Nebraska

Worm burden
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Xenodiagnosis. See Diagnosis, Xenodiagnosis.

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Zoogeography. See Geographic distribution.

Zoonosis. See Disease transmission, Animal to man.

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